Hamilton Buhl®
Never-Ending Learning Innovation

"I have been teaching Geoscience at the university level for more than 35 years – to more than 50,000 students – and there's one unimpeachable truth I have learned over this vast span of time: There is no more effective way to explain the complexity of how the Earth operates than to take students out into the field so they can see for themselves. Alas, however, for many high-school and middle-school students, awe-inspiring geologic wonders may simply not be within easy driving distance. So, how best to offer students the kinds of field excursions that would pique their nascent curiosity?

Virtual Reality is perhaps the very best way for teachers to simulate effectively such life-changing experiences.

VR programs such as EarthQuest™ from HamiltonBuhl® are a remarkable starting point for teachers who seek to engage their students with the wonders of our planet. This excellent use of immersive VR technology can take students to those places they may only dream of visiting. In doing so, EarthQuest™ sets the stage for more-traditional classroom discussions and hands-on activities and exercises.

Clearly students in the 21st century learn most effectively when more visual technology-inspired media augment traditional text and lecture-based presentations of complex scientific concepts. By aligning EarthQuest's exciting visually immersive experiences with the Next Generation Standards for Science Education, a truly powerful student-centered science-learning program emerges."

- Stanley E. Chernicoff

"Aside from the exciting new technologies that HamiltonBuhl® is offering in VR products, we continue to produce a vast array of superior educational STEAM products, headphones and headsets, along with everything needed to outfit a classroom properly in the 21st century. You will find that most descriptions in this catalog delve into the reasons how and why each of these products were designed and developed – all for the elevation of the modern classroom."

– Eva Lancaster, President, HamiltonBuhl®

Table of Contents

DURA-CORD™

You asked for it . . . we made it!

Headphones and headsets shown with this icon come with Dura-Cord™ – our chew, kink and knot-resistant, PVC-jacketed, braided cord – specially-designed to be more durable and reliable than ever!

ANTI-LICE

Help prevent the spread of head lice!

Headphones and headsets shown with this icon come in a heavy-duty, write-on, moisture-resistant, reclosable bag. When the headphone or headset is sealed in the bag, lice are killed within 24–48 hours, without the use of chemicals.

VR Indicates a Virtual Reality Product

CALIFORNIA PROPOSITION 65 — PROP 65 — COMPLIANT

**Look for this symbol –
All HamiltonBuhl® Headphones and
Headsets are Prop 65 Compliant**

HamiltonBuhl
Never-Ending Learning Innovation

VRQUEST®
Powered By: EARLY-ADOPTER®

BUILD
LEARN
PLAY

vr quest

- **Fully-Immersive VR System – Students Create Their Own Worlds!**
- **Re-Create Historic Places and Events**
- **A Huge Selection of VRQuest® Building Elements and Entities**

VR Quest® is a Microsoft Mixed Reality, Fully-Immersive, Virtual Reality Game Building System where students create their own worlds or recreate historic places and events. Once published, they can share their fully-immersive Virtual Reality game for all to play, with VR Quest®, anywhere in the world, using a Microsoft Mixed Reality headset!

Following standards-aligned FREE lesson plans, students learn 3D game design, re-create places of historic significance, build and publish their fully-immersive VR game. Then, using a Microsoft Mixed Reality headset, students step into the virtual world they created - as a single player or with up to 8 friends in multi-player mode!

VR

Free Standards-Aligned Lesson Plans
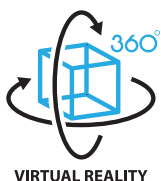
A Fully-Immersive, Virtual Reality and Virtual Game-Building System

Plug-and-Play, Classroom-Ready System

- Unique and challenging cross-curricular projects interweave a myriad of disciplines and core subjects
- Free standards-aligned lesson plans
- Specifically designed to fit the needs of today's classrooms, VR Quest® eliminates violence and gore
- VR Quest® Game Building System produces an exciting and enriching learning experience
- Once students build and publish their VR game, using the provided Microsoft Mixed Reality headset and computer, they can step into the VR world they created in a single-player or multiplayer mode
- Can be played on computer in non-VR mode

User-Friendly UI

- The intuitive VR Quest® Game Building System will have students creating their very own VR worlds using the extensive selection of building elements and entities
- Create mountains, oceans, rivers, fields, forests or cities
- Layer on seasons and weather activity
- Build ancient worlds or dystopian future societies
- Add trigger points for sound effects and entity actions

FREE Standards-Aligned Lesson Plans for Grades 4-8

- Each Lesson Plan delivers unique cross-curricular learning objective interweaving myriad of disciplines and core subjects.
- Learning has never been so much fun!
- Eliminates any violent building options. Games are hosted in a closed ecosystem to help ensure all content being produced is school appropriate.

Fully Immersive VR and STEAM Learning

- Through 2D and 3D game design, students develop critical thinking, problem solving, researching, troubleshooting, spatial relationships, teamwork and collaboration.
- VR Quest® Game Building System teaches critical computer and internet literacy skills as well as understanding creator rights and responsibilities.
- VR Quest® 3-Dimensional learning teaches invaluable skills better preparing students for the 21st Century.
- Building a 3D Game is great fun on its own, but then being able to step into the world created alone or with up to 8 other players kicks things up to a whole new level! And that is precisely what VR Quest® offers.

Software Only:

Annual Site License Software VR Quest® Game Building System

- Developed for use with Microsoft Mixed Reality Goggles (we recommend Samsung or HP).
- User-Friendly UI with extensive library of building elements and entities
- Free Standards-Aligned Lesson Plans for Grades 4-7
- Each computer at school can be uploaded with VR Quest® Software.
- Each student throughout all grade levels can use VR Quest® to create their very own VR world and game.
- Each student can export their game and share it with friends and family.

Software Plus Equipment:

Annual Site License Software Plus VR-Ready PCs and Microsoft Mixed Reality Headsets Bundle

All of the same software as the VRQ-SL, PLUS:
(2) Microsoft Mixed Reality VR Headsets with Controllers (currently Samsung) – Combines cutting-edge technology with thoughtful design for a premium virtual experience.

- Immersive virtual views spring to life on two 3.5-inch AMOLED screens and a 3K display, and with the 110° viewing angle, a fluid and seamless experience.
- Dynamic 360° spatial sound through built-in headphones with a built-in mic array.
- Sets up in minutes — just plug into a compatible PC, and dive right into the experience with intuitive controls supporting 6 degrees of freedom motion control accuracy.

(2) Microsoft Mixed Reality and VR Compatible Windows-10 PC Towers
Specifications:
- Intel Core I5 9400 (9th Generation) 6 Core 2.90GHz Desktop Processor
- 400 Watt Power Supply
- NVIDIA GTX 1060 1.51Ghz 3GB DDR5 Video Card
- 120GB Solid State Hard Drive
- 16GB DDR4 Ram Memory
- 24X DVDRW Optical Drive
- 104 Key Keyboard
- USB Mouse
- Windows-10 64Bit OS

Fully-Immersive VR System

Please Note: Shipped PC Specs and Mixed Reality Goggles are subject to change without notice due to system changes and upgrades.

NEW

Arcana: EarthQuest Experience

Following NGSS Standards, EarthQuest brings students an up-close 3D experience of discovery – how earth's changing conditions impact living organisms and temperature – experience the geological events of subduction and continental collisions that form mountain ranges like the Himalayas and the Sierra Nevada!

In This Package:

- Dig for ancient fossils at the top of Mount Everest
- Discover how ancient ocean fossils ended up on Mt. Everest
- Observe how continents collide, plates subduct, volcanoes erupt and mountains form
- Pan for gold in Sierra Nevada and perform a mineral test of your finding

Arcana: The Lost Library Experience

In celebration of human achievements made in space exploration, Arcana: The Lost Library takes students of all ages on a voyage of discovery of our Solar System, The Space Station and The Lunar Module – operate a robotic arm in space, throw a moonrock, get up-close with celestial bodies like NEVER before!

Arcana is a true virtual reality experience, with "6 points of freedom", delivered through Oculus Quest VR Goggles!

Each Package Includes:

- Physiologically Engaging Educational Content in both Experiences
- Free NGSS Standards-Aligned Curriculum Guide and Lesson Plans
- "6 Points of Freedom" experience with hands, movements and gestures transported into the VR world

Arcana Licenses

OculusQuest Software Only:
Contains 1 Lost Library License, 1 EarthQuest License
Contains 10 Lost Library Licenses, 10 EarthQuest Licenses
Contains 25 Lost Library Licenses, 25 EarthQuest Licenses

Oculus Gear Plus Software:
Contains 1 Lost Library License, 1 EarthQuest License <u>Plus</u> 1 Oculus Quest Goggles
Contains 10 Lost Library Licenses, 10 EarthQuest Licenses <u>Plus</u> 10 Oculus Quest Goggles
Contains 25 Lost Library Licenses, 25 EarthQuest Licenses <u>Plus</u> 25 Oculus Quest Goggles

Please Note: Shipped PC Specs and VR Goggles are subject to change without notice due to system changes and upgrades.

VR SCI-LAB
by HamiltonBuhl®

NEW

ANATOMY • CHEMISTRY • DISSECTION

HamiltonBuhl® VR Sci-Lab Virtual Reality Educational Experiences

These virtual reality packages all provide unique, powerful, classroom-ready VR experiences for students age 13+. Each VR experience will be an incredible addition to any classroom. Virtually dissect a frog, explore the human body in true VR, learn in a virtual chemistry classroom complete with a virtual quiz – all designed as fully-interactive experiences that will keep students engaged and learning.

HB VR Anatomy Experience

Explore human anatomy like never before! The HamiltonBuhl® VR Anatomy Experience gives students access to a powerful new way to learn about the human body. Anatomically-correct models are displayed right before their eyes, and students can choose which major organ systems they want to explore from the skeletal system to reproductive organs and everything in between.

- 11 Interactive 3D models of major organ systems
- Information on each major organ system
- Anatomically-correct visuals
- Zoom and placement menu - easily zoom in or change the positioning of any organ system
- Animation and cross section of the human heart

HB VR Chemistry Lab Quiz Experience

The HamiltonBuhl® VR Chemistry Lab for Oculus Go is an exciting way to quiz students on material they've been learning in their Chemistry class.

Put on the Oculus Go and enter a virtual reality classroom to match elemental compounds with their correct names and see as a 3D model of the molecules appear on the desk at the front of the virtual classroom. Retention will skyrocket as Virtual Reality Chemistry Lab keeps kids attention throughout the entire experience.

Bring multiple students together and have them compete to see who can answer the most questions correctly, first!

HB VR Frog Dissection Experience

HamiltonBuhl® offers teachers and students a new way to dissect frogs in the classroom, leaving more room for learning. Students are transported into their very own, first-person frog dissection experience. Look DOWN and see an actual frog dissection taking place; Look LEFT to see the life-cycle of a real frog playout; Look RIGHT to see an interactive 3D model of a frog's major organs and systems.

At any time, students can re-watch a step or skip around the dissection process (preparation, initial incision, upper abdominal anatomy, lower abdominal anatomy, etc.), with the user-friendly chapter menu, always accessible within the VR Frog Dissection experience. HamiltonBuhl® Oculus Go VR Frog Dissection Experience lets students repeat the process multiple times without adding to expenses!

- Provide a powerful learning experience for every student, with virtual reality technology
- Reduce overall cost of dissecting frogs
- Eliminate costly biohazard waste disposal
- Eliminate safety concerns
- Eliminate preparation time and clean-up

VR

Free Standards-Aligned Lesson Plans

360°
VIRTUAL REALITY

VR SCI-LAB
by HamiltonBuhl®

Hamilton Buhl®
Never-Ending Learning Innovation
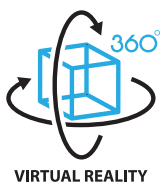
STEAM Products
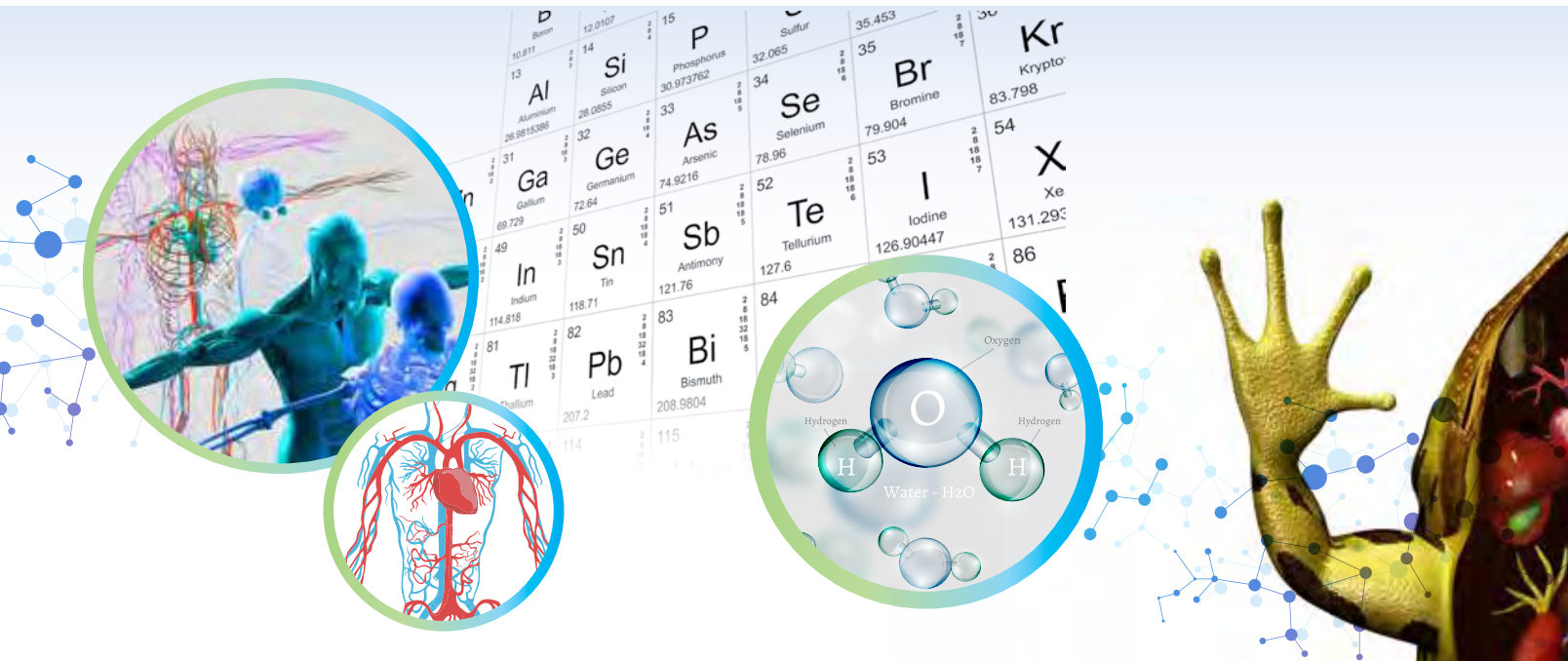
Contains 1 each: Anatomy, Chemistry Quiz and Frog Dissection Licenses
Contains 8 each: Anatomy, Chemistry Quiz and Frog Dissection Licenses
Contains 25 each: Anatomy, Chemistry Quiz and Frog Dissection Licenses

Contains 1 each: Anatomy, Chemistry Quiz and Frog Dissection Licenses
Plus 1 Oculus Go Goggles
Contains 8 each: Anatomy, Chemistry Quiz and Frog Dissection Licenses
Plus 8 Oculus Go Goggles

Contains 25 each: Anatomy, Chemistry Quiz and Frog Dissection Licenses

Plus 25 Oculus Go Goggles

Anatomy System License

Explore human anatomy like never before. The HamiltonBuhl® VR Anatomy Experience gives students access to a powerful new way to learn about the human body. Anatomically-correct models will be displayed right before their eyes, and students can choose which major organ systems they want to explore. Circulatory, respiratory, digestive, nervous and skeletal systems are all included – just a small portion of all the content available.

Chemistry Quiz License

The HamiltonBuhl® VR Chemistry Lab is an exciting way to quiz students on material they've been learning in class. Match elemental compounds with their correct names and see a 3D model of the molecules appear on the desk at the front of the virtual classroom. Retention will skyrocket as VR Chemistry Lab keeps kids attention throughout the entire experience.

Frog Dissection License

Offers teachers a way to dissect frogs in the classroom, leaving more room for learning. Students are transported into their very own, first-person frog dissection experience.

Beginner Kits Aligned to Required Standards!

steam kits

Bring STEAM curriculum to life with HamiltonBuhl's STEAM Kits – full of engineering and coding robots, augmented and virtual reality, 3D printing and media production activities! Tomorrow's inventors and problem-solvers are today's students, teaching them a better understanding of STEAM concepts will be essential in preparing for the careers of tomorrow. Beginner skill level kits are ideal for all middle and high school grades.

Included with most STEAM Products are free downloadable lesson plans, aligned to required standards, including worksheets, teacher's guides, evaluation rubrics, and more!

Beginner Skill Level – Deluxe STEAM Kit

Coding Robots, Engineering Kits, Media Production Kits, and Climate Tracking Device

STEM-2D Kit (shown above) Includes:

- **(1) AirComfort™** – Climate Tracking Device
- **(1) Edison Educational Robot Kit – Set of 10** (49383)
- **(2) Boost-R-Bots™ Engineering Kit**
- **(5) Circuit Mania STEAM Education** – Seahorse
- **(5) Circuit Mania STEAM Education** – Unicorn
- **(1) Animation Studio Kit**
- **(1) Green Screen Production Kit** (49377)
- **(1) Large Lockable Carry Case** (lock not included)

Beginner Skill Level – STEAM Starter Kit
(Not shown: see website for full details)

PLUS: Free Teacher Resources and Lesson Plans!

Intermediate Skill Level STEAM Kits

STEAM education creates critical thinkers, increases scientific thinking and literacy, and enables the next generation of innovators.

Enhance your current STEAM curriculum with HamiltonBuhl's Intermediate Skill Level STEAM Education Kits, loaded with items. These intermediate level kits are ideal for middle school and high school grades, but can also be used in elementary school grades, where STEAM curriculum was introduced, from the start.

Included with most STEAM Products are free downloadable lesson plans, aligned to required standards including worksheets, teacher's guides, evaluation rubrics, and more!

BOOST-R-BOTS™ Educational Robot Kit

3D MAGIC PEN™

CHRONOQUEST™

HYDROPONIC LED GrowLight™

HB INVENT! KIT

Edison

Intermediate Skill Level – Deluxe STEAM Kit

Coding Robots, Engineering Robots, 3D Printing Pens, Augmented Reality Posters, LED Hydroponic GrowLight and Much More!

STEM-3D Kit (shown above) Includes:
- **(1) Edison Educational Robot Kit** – Set of 10 (49383)
- **(5) HB Invent! Kit** – Assembling and Coding Robot
- **(3) Boost-R-Bots™ Engineering Kit**
- **(1) ChronoQuest™** 3D Interactive Augmented Reality Timeline
- **(3) 3D Magic Pen™** 3D Printing Pen (49376)
- **(6) Filament Packs** of 15 Vibrant Colors for 3D Magic Pen™ (49380)
- **(1) Filament Roll 3D Magic Pen™** – Black, 980 Ft. (49909)
- **(1) HB Hydroponic LED GrowLight™ Kit**
- **(1) Large Lockable Carry Case** (lock not included)

Intermediate Skill Level – Starter STEAM Kit

(Not shown: see website for full details)

PLUS: Free Teacher Resources and Lesson Plans!

steam kits

5 Different Dinosaurs to Dig Up!
Students Participate as Paleontologists

Ages 6+

PALEO HUNTER™

HamiltonBuhl® Paleo Hunter™

Stegosaurus, Velociraptor, Mammoth, Triceratops and Tyrannosaurus Rex

Spark a curiosity for science and paleontology inspiring them to pursue a path toward discovery. HamiltonBuhl's Paleo Hunter™ Dig Kit is an awe-inspiring project for kids ages 6+.

Paleo Hunter™ Dig Kit is a perfect project for any child curious about the world around them.

Unearth the history of our planet with Paleo Hunter™. Paleo Hunter™ turns any child or student into an archaeologist on the hunt to uncover ancient dinosaur fossils. Combined with the Augmented Reality companion app, Paleo Hunter™ brings these dinosaur skeletons back to life!

First, students use the tools included in the box to carefully chip away at the block of plaster to discover what is hidden beneath the surface. Using the tools provided, they will discover the dinosaur fossils, the next step is to combine each fossil to create a complete skeleton. Then, use Paleo Hunter's companion app to scan the dinosaur skeleton. The app takes the skeleton and turn it into a living, breathing dinosaur that appears right on any Apple or Android device!

Information about these spectacular creatures appear on the screen; there are a variety of actions students can have their virtual dinosaur perform!

Paleo Hunter™ comes in 5 unique variations. Each project comes with its own dinosaur. Available individually or as a kit with one of each dinosaur.

Includes FREE AR App Download

- Block – Slaked Lime Plaster
- Dino Bones – ABS
- Hammer – PP (Polypropylene)
- Chisel – PP (Polypropylene)
- Brush – PP (Polypropylene)
- Goggles – PC (Polycarbonate)
- Mask – High Quality Non-Woven Fabric
- Magnifying Glass – ABS and Acrylic

Free Companion App

1. Return
2. Zoom In/Out
3. Change Language
4. VR Mode
5. Hologram Mode
6. Background
7. Check Skeleton
8. More Dinosaurs
9. Touch Motion
10. Take Photos
11. Description

App Store

ANDROID APP ON Google play
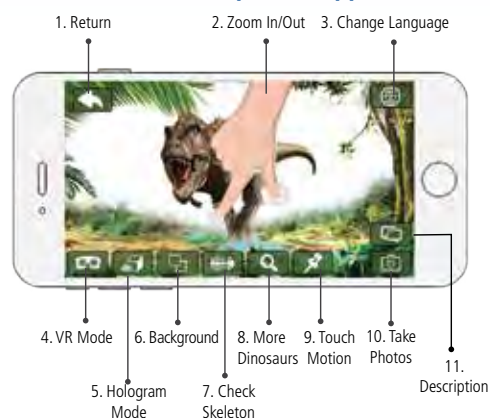
Tyrannosaurus Rex

Free Lesson Plans available at HamiltonBuhl.com

Dinosaurs Come to Life – Free App Reveals a True-to-Life Dinosaur!

NEW

Here's how it works:

- **Put on the goggles and mask**
- **Carefully chip away at the plaster block**
- **Using provided tools, search for and unearth dinosaur's bones**
- **Put the bones together**
- **Scan the skeleton using the FREE APP and see your dino come to life!**

Triceratops   Velociraptor   Stegosaurus   Mammoth

Coding Made Fun with Edison, the Expandable Robot!

edison robot

HB® Edison Educational Robot Kit

The Edison Robot is the result of a genuine passion for innovation and a vision to make electronics, engineering, robotics and programming accessible to as many people as possible. Each Edison robot features a host of sensors and can be programmed using a growing number of FREE software applications:

- **EdBlocks** – a fully graphical robot programming language for the Edison robot that is super easy to use. A drag-and-drop block-based system, EdBlocks is intuitive and fun, even for younger users. Perfect for introducing anyone to programming, EdBlocks is ideal for students aged 8 to 12 years old.

- **EdScratch** – A vertical drag-and-drop block-based system that has been developed using the Scratch Blocks code base developed by the MIT Media Lab from the Blockly code base developed by Google. The result is a robot programming language that is easy to learn and offers a robust platform for computer science education.

- **EdPy** – the easy to learn, high readability and very popular Python programming language. EdPy teaches a real life programming language and makes text-based programming fun and easy!

Each programmable Edison robot interacts with the world via infra-red (IR) transmitters and receivers, line tracking, barcode reading, playing sounds and music, plus sound detection. It's also equipped with two motors with variable speeds, left and right red LED lights and three control buttons. One Edison can communicate with another over IR, with the units also able to be programmed by and controlled with TV and DVD remotes.

Why Edison from HamiltonBuhl®?

These LEGO® compatible robots are designed to provide learners with an opportunity to experiment and grow their knowledge, explore their imagination, cultivate their innovativeness and have fun, without expensive tools or excessive investment.

- Built-to-last and affordable – available in single or value-packs for a full class set
- Programmable – Multiple free programming languages
- LEGO® compatible – Modular and easily expandable
- **FREE Robotics Education Lesson Plans**
- Easy to use – With many pre-programmed functions activated by barcodes
- Remote control – Learns commands from TV/DVD remote controls
- Suitable for all ages – From K-12 Grades
- Scan cards for easy basic programming
- 4 "AAA" batteries included

49383 (Single) . . . . .MSRP $89.99 (CAD)

***Includes One Robot Expansion Construction Kit**

Edibot-C Robot Expansion Construction Kit

Each Lego compatible Edibot-C Kit includes 115 blocks, pegs, gears, and other parts all created to interlock together and onto the Edison robot.

PLUS: Free Teacher Resources and Lesson Plans!

www.HamiltonBuhl.com

ROBO-ARM™

STEAM Robo-ARM™ Kit For Arduino

The 4-axis STEAM Robo-Arm™ Kit for Arduino from HamiltonBuhl® is a compact kit loaded with STEAM education, from construction to mechanical engineering to coding!

Designed to inspire interest in STEAM subjects such as electronics, automation, robotics and programming, the Robo-Arm™ is made of lightweight components requiring nothing but a screwdriver and an eagerness to assemble.

Featuring double-layered, jagged-edged and pointed grippers – to firmly grip and hold objects; 4 servos to control four joints allowing movement along 4 axes; MCU Arduino UNO, servo expansion board and remote control board to control, move and program the Robo-Arm™; and with 4 potentiometers, the Robo-Arm™ can be controlled manually or programmed to carry out and memorize 100 movements – a fantastic introduction to the world of repeated task automation.

With video instruction and standards aligned lesson plans, STEAM Robo-Arm™ from HamiltonBuhl® is the perfect entrée for students, ages 13+, into the world of robotics and coding! Included are two 18650 rechargeable 3.7V Li-ion batteries and battery charger.
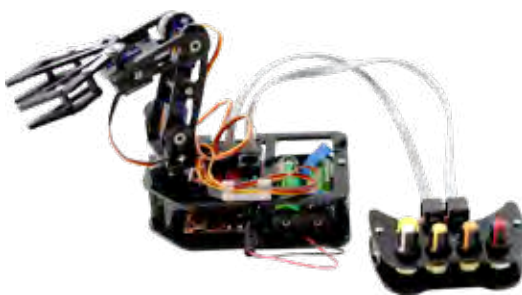
WIRED

Magazine's "Best Products"

robo-arm

Fostering Engineering and Science Skills

Tomorrow's inventors and problem-solvers are today's students, from elementary school to high school. Teaching them a better understanding of STEAM concepts will be essential in preparing them for the careers of tomorrow.

BOOST-R-BOTS™
Educational Robot Kit

boost-r-bots

Students across multiple grades will get a first-hand STEAM experience with this engaging, multi-function, robot engineering kit.

Boost-R-Bots™ – Bring STEAM Curriculum to Life with Block-Building Robot Engineering

HamiltonBuhl's Boost-R-Bots™ STEAM Kit helps transform abstract concepts into hands-on learning experiences. Students across multiple grades, from elementary school to high school, will get a first-hand experience in science, technology, engineering and mathematics with this engaging multi-function robot engineering kit.

With step-by-step instructions, HamiltonBuhl® Boost-R-Bots™ STEAM Kit comes complete with all the blocks and components needed to create 15 different, more and more complex robots incorporating a programming board, motors, remote controller and electricity.

Foster collaboration, innovation and problem-solving as students innovate upon Boost-R-Bot™ robots, or even engineer one from scratch with all the components at hand. Inventing and experimenting with the Boost-R-Bot™ Kit goes beyond playtime. It's a hands-on opportunity to learn the basics of structural engineering, physics and creative thinking.

Included Parts:

Block 15 (5)
Block 111 (6)
Block 135 (6)
Block 90 (3)
Block 35 (3)
Block 35 (3)
Motor Mount (2)
Motor Mount (2)
Block 511 (3)
Block S23 (1)
Block 117 (1)
Connect Block 2 (4)
Block 311 (4)
Triangle Block (4)
Shaft Block (4)
Block 321 (2)
Gear Block (4)
Crank Block (2)
Connect Block 1 (6)
Block 55 (2)
Block 121 (2)

Frame / Adapter
Frame 5 (5)
Frame 11 (5)
Round Block (2)
Frame 21 (2)
Adapter 1 (10)
Adapter (5)
L adapter (4)
Eye Block (2)

Shaft / Bush
Connecting Shaft (4)
S-Shaft (4)
M-Shaft (6)
L-Shaft (4)
Spanner (1)
Coupling (4)
Bush (10)
Half Bush (10)
Red Bush (10)

Gear / Wheel
Guide wheel (2)
Red wheel (2)
S-wheel (2)
Rubber Frame (2)

Electronic Parts
DC Motor (2)
R/C Receiver (1)
Main board (1)
Remote Controller (1)
6V Battery Case (1)

Also includes 4 "AA" batteries

PLUS: Free Teacher Resources and Lesson Plans!

Robotics Learning

As students assemble this robot, they will be learning a multitude of subjects such as robotics and general science concepts with sensors, engineering and math.

Ages 8+
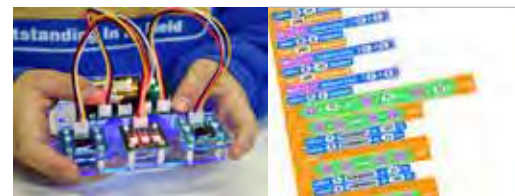
HamiltonBuhl® Invent! Kit

According to the U.S. Department of Commerce, jobs in STEM fields are growing at 17%, while others are growing at 9.8%. STEM education creates critical thinkers, increases scientific thinking and literacy, and enables the next generation of innovators.

The "Invent!" Kit is developed precisely for such STEM-based curriculum. The kit comes with all the components needed to create a variety of fun, programmable inventions – a wheeled robot – complete with collision sensors, buzzers, color-changing lights, line sensors and even infrared sensors that can detect fire! As students assemble the robot, they will be learning subjects including robotics and general science concepts.

As students program the robot to complete various tasks, they will learn coding in Crumble – drag-and-drop programming software – similar to Scratch. Easy for elementary grade students to use, yet robust for older students, Crumble allows the older, more experienced students to investigate much more complex algorithms and provides access to more advanced components.

This custom-designed "Invent!" Kit comes with top-quality components, including metal-geared motors and reliable sensors, along with variety of challenges and competitions – from robot sumo wrestling, to navigating a distant planet with solar panels.

Teachers will love the available lesson plans that lead students in engaging challenges and projects. The "Invent!" Kit opens up a new world of experimentation, innovation, problem-solving and learning, impossible to achieve from current textbook-based learning.

Each HB Invent! Kit contains:

- Base board with USB-programmable microcontroller and power pack
- USB cable
- 2 Bump sensors
- 1 Buzzer module
- 1 Color-changing LED module
- 1 2-Channel IR 'flame' sensor
- 1 2-Channel line sensor
- All connecting cables
- 3 "AAA" Batteries included

Why HB Invent! Kit?

- Affordable
- Programmable – free, open source graphical programming software
- Easy to assemble
- High-end components
- Lesson Plans
- Suitable for all ages: 8+

PLUS: Free Teacher Resources and Lesson Plans!

Combine Modules in an Infinite Number of Ways!

STEAM SNIPS™

STEAM SNIPS™

Rapid advances in technology are driving much of the changes in our world. Schools need to prepare students for the technological advancements happening today, as well as in the future. The more comfortable students are with technology today, the better they will function in the world of tomorrow.

Fortunately, the rapidly-advancing technology is creating new ways to make teaching more immediate, interesting and varied – such as STEAM SNIPS™ from HamiltonBuhl®.

STEAM SNIPS™ are electronic building modules that can be combined in an infinite number of ways, creating all sorts of electronic inventions, and best of all, they are designed to appeal to both boys and girls.

STEAM SNIPS™ include 74 different components, each can work with every other module in the set – all that is needed is imagination, inspiration and curiosity to build an infinite number of combinations of electronics products.

- **Power modules** – everything requires energy
- **Input modules** – sensors and detectors to sense, detect and collect environmental data – sound, light, temperature, humidity, motion, tilt, flame, IR distance, water moisture, ultrasonic, switches, buttons, dimmers
- **Output modules** – produce motion, audio and visual effects that include LED lights, buzzers, speakers, motors, relays, servos and fans
- **Controller** – controls output based on logic and can be combined with other programmable modules to adjust input and output parameters.

Along the way, kids will learn what is required to bring inventions and ideas to life:

1. Circuitry knowledge
2. Hardware operation and control
3. Software programming and coding
4. Creative thinking and problem solving

Components:

- **Input/Output Components** – 51 pcs.
- **Power Source Components** – 5 pcs. (One controller module with USB Input and four 9V battery power modules)
- **Connection Components** – 10 pcs. (6.75″ Micro USB cables) and 10 pcs. (12.75″ Micro USB cables)

STEAM SNIPS™ make it easy for teachers to stoke the flames of curiosity with standards aligned curriculum and lesson plans that open up the world of science, technology, engineering, creativity coding and inventing to their students.

PLUS: Free Teacher Resources and Lesson Plans!

steam snips

Let Creativity and Imagination Run Wild!

Ages 8+

3d magic pens

3D MAGIC PEN™

3X3D MAGIC PEN™

3D Magic Pen™ and 3X3D Magic Pen™

Create hand-drawn, three-dimensional objects with the 3D Magic Pen™ and 3X3D Magic Pen™! Dinosaurs and doodles, dragons and trolls – there's no limit to what you can make, so let your imagination go!

Expands imaginations – and teaches about construction – these pens are a great way to foster learning. Art stimulates creative thinking, essential in implementing cognitive skills, helps develop better communication, problem-solve, and increase overall literacy. Very easy to use, simply plug in the 3D Magic Pen™ or 3X3D Magic Pen™, watch for optimal temperature, then press for action. The self-feeding motor will advance the filament for you.

Both Pens Feature:

- Easy-grip design
- Ceramic nozzle for safe use
- Self-feeding motor
- Adjustable feed speed
- Comes with 3 color filaments
- Simply plug in and press for action

Both 3D Magic Pens™ include 3 Color Filaments

PLUS: Free Templates & Lessons!

The 1st Multi-Filament Pen in the World!

Create up to 7 different color combinations with 3 filaments – without changing them out!

3D Magic Pen™
49376 . . . . MSRP $129.99 (CAD)

3X3D Magic Pen™

3D MAGIC PEN™

Blue	Pink	Red	Light Pink	Green	Yellow	Black	Purple
Orange	White	Gold	Lime Green	Brown	Gray	Yellow Green	
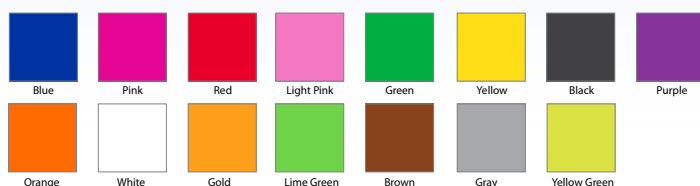
3D Magic Pen™ 10' Filament Packs

15 Color Filament Pack, 10' Per Color

3D Magic Pen™ Mega-Pack

The Pack Includes:

- (6) 3D Magic Pens™
- (6) Single Color 980' Filament Rolls,
- (2) 15 Color Filament Packs
- HMC Large Carrying Case

6 Pens

Single Color Filament Rolls

980' Per Roll

49909 **Black** . . . . **MSRP $109.99 (CAD)**
Blue . . . . **MSRP $109.99** (CAD)
Green . . . . .MSRP **$109.99** (CAD)
Purple . . . . MSRP **$109.99 (CAD)**
Red . . . . MSRP **$109.99 (CAD)**
White . . . . MSRP **$109.99 (CAD)**

Single Color Filament Rolls 980' Per Roll

Ice Water

Insect Wings

Housefly

SCOUT MICROSCOPE™

microscopes

Scout™ Digital Microscope with Six Different Lenses for Young Scientists

Ignite the sparks of curiosity and fan the flames of interest in science and technology for early learners with Scout™ Digital Microscope from HamiltonBuhl®!

Built rugged for younger students, Scout™ features six different magnification lenses on a vertical rotating wheel – magnifying to 100x, 200x, 300x, 400x, 500x and 600x best at 1600x1200 resolution monitor.

With magnified images or live video displayed on a computer via a USB connection, every student in the classroom will be mesmerized by the fascinating microscopic world around them. Featuring a one-touch snap button for instant image capture as well as video recording and timed shots, Scout™ Microscope will be an invaluable STEAM tool in the classroom, introducing the fascinating world of science to students.

Includes

- Digital Microscope with integrated turret with six different magnification level lenses and USB cable
- 3 Blank specimen slides
- Prepared slide with cotton swatch
- 6 Specimen covers
- Tweezers
- Dropper
- Installation CD and User Manual

49912 . . . . MSRP $259.99 (CAD)

Scout™ Pre-Prepared Specimen Slides

SLD24 consists of 6 unique slides with 4 specimen stains on each slide that are premium quality, hand-prepared, under optical glass, ready-to-view specimens such as roots, stems, leaves and epidermis, pollen and starch, wings and legs, hair and fibers and microscopic creatures.

Root & Stem

Leaf & Epidermis

Pollen & Starch

Wing & Leg

Microscopic Creature

Hair & FIber

Scout™ Digital Microscope and Slides Kit

Includes

- SCT-18 Scout Digital Microscope with integrated turret with six different magnification level lenses and USB cable
- 3 Blank specimen slides
- Prepared slide with cotton swatch
- 6 Specimen covers
- Tweezers
- Dropper
- Installation CD and User Manual
- 6 SLC24 Pre-prepared Specimen Slides
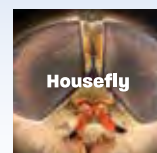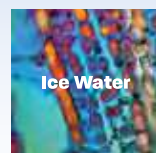
new

www.HamiltonBuhl.com

SCOUT Pro
MICROSCOPE™

ScoutPro™ Digital Microscope

Ignite a passion for science, technology and the microscopic world to students of all ages! With a 4" built-in digital display, ScoutPro™ is the ideal solution for collaborating in the science lab – displays video, images, or live viewing directly on its screen as well as on a PC via a USB connection, making sharing with students easy. Magnified objects are instantly displayed on its built-in 4" monitor, or view on any computer monitor.

Take screenshots, capture video and zoom in or out, all from a distance, with the included remote control. Magnify objects by adjusting the Digital Microscope Bracket to bring the lens closer to the object being viewed. Additionally, ScoutPro™ can magnify objects 5x digitally beyond its optical magnification.

Specifications

- Magnification: Optical up to 600x; Digital up to 5x
- Resolution: HD (1280x720) or FHD (1920x1280)
- Image Quality (six options): 1M/2M/3M/5M/8M/12M
- White Balance: Auto, Sunlight, Cloudy, Tungsten or Fluorescent
- EV: Exposure compensation from +2 to -2
- Calibrate: Off, Cross Net or Double Cross Net
- Language: English as well as 13 different languages
- Flicker: 50Hz or 60Hz (60Hz recommended for the U.S. market)
- Compatible with Windows PC, Mac iOS and Chromebook

ScoutPro™ Digital Microscope and Slides Kit

This kit comes with the SCT-PRO ScoutPro Digital Microscope, the next-generation digital microscope from HamiltonBuhl® and six pre-prepared, color-coded slides (SLD24): one each of "Root and Stem", "Leaf and Epidermis", "Pollen and Starch", "Wing and Leg", "Tiny Creature" and "Hair and Fiber", making it a breeze to dive right in to the microscopic world of wonder.

Produce Exciting Broadcasts – Right in the Classroom!

Technology is transforming students from consumers to creators as more and more schools are recognizing the value of closing books in favor of practice learning.

Green Screen
Production Kit

HB Green Screen Production Kit™

Green screens, once a staple of any special effects film studio, are now an exciting and realistic addition for any digital classroom. Green screen projects certainly sensible for media arts classrooms, are no longer limited to only that. Green screen technology is now being utilized in STEM, language arts, history, and core subject areas. Giving students the opportunity to create digital material for classroom use helps students achieve a higher sense of empowerment, ownership, and purpose.

The HB Green Screen Production Kit™ includes everything a student, a classroom or a school would need to create engaging and professional looking broadcasts, presentations and short movies:

- **One 9' x 5' Green Screen Backdrop Cloth** – perfect for chroma keying – the process of filming a scene, object or person in front of a pure colored screen, typically green, then replacing it with any scene or background to achieve special effects. Highly saturated, for accurate color-balancing, the HB green screen backdrop is ideal for use in any video project.
- **One USB Digital Web Camera** – 720p HD bendable gooseneck webcam with non-slip base for optimal positioning – includes a built-in microphone.
- **I Can Present™ Editing Software** – powerful editing software with Teleprompter, split screen, picture in picture, scroll text features, chroma keying and more!

With quick, easy setup of the green screen backdrop and the included webcam, students can create short news broadcasts, weather forecasts, short reviews, virtual visits to far away places – the planets, the solar system, the Pyramids, the Amazon, the ocean depths, even time travel – all without leaving the classroom.

Includes
- I Can Present™ software
- Green screen
- 720p HD webcam

Features
- Import images, slides (e.g. PowerPoint and Keynote) or PDFs
- Easily add any background
- Add scripts
- Add date and time, symbols
- Show a news ticker
- Record using chroma key, split screen or picture-in-picture
- For Windows or Mac

System Requirements
- Windows XP SP3, Vista SP1, Windows 7, 8, or 10
- Mac OS 10.11 or later
- Intel Pentium 4, 3GHz/Athlon XP 3200+ equivalent or later
- 2GB RAM minimum, preferably 4GB
- 200MB free HDD space
- Video Card: 128MB or higher
- USB Version: USB 2.0 port

49377 ....MSRP $259.99 (CAD)

720p HD Webcam
- Bendable arm allows optimal positioning
- Built-in Microphone
- Suction-Type Base
- 1x IR LED Light: Infrared light for shooting at night/low light areas
- Shutter Button: Easy capture for still images
- System: Windows XP, XP2, Vista, Win 7/8/10 and Mac OSx
- 5MP CMOS Sensor
- Maximum Resolution: 1080 x 720
- Rate: 30FPS @720p
- Interface Type: USB 2.0 high speed
- Focal Range: 30mm ~ Infinity
- Captured Image Format: BMP, JPEG, PNG
- Captured Video Format: AVI, WMV
- Working Temperature: 14°-104°F
- Materials: ABS Plastic
- Cable Length: Approx. 4'

PLUS: Free Lesson Plans!
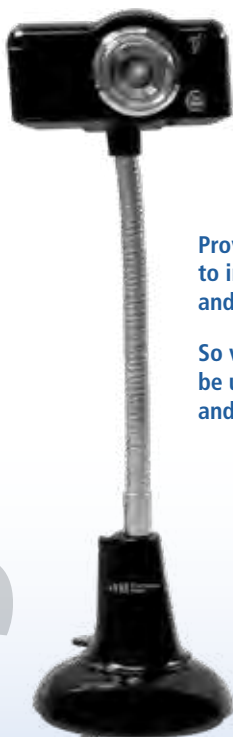
Provides the power to inspire, create and perform.

So versatile, it can be used for any age and curriculum!

green screen kit

Create Engaging Stop-Motion Animations!

"Students as producers" can be found in everything from gardening to media production, game design and programming. It provides engaging opportunities to teach digital literacy, citizenship and creator's rights.[1]

ANIMATION STUDIO Kit™

HB Animation Studio Kit™

The simple and easy to use Animate It!™ software has an intuitive interface with stunningly powerful features that will have your students, of all ages, creating stop-motion animations in no time!

The Animation Studio Kit™ includes a gooseneck webcam with a suction-type base and Animate It! stop motion animation software, developed by the award winning makers of "Wallace & Gromit."

Almost any topic can be made more interesting using stop motion animation, and students will learn from this exciting technique.

Simply plug in the included 720p HD USB webcam, grab an item – a toy, a fruit, a book, anything at hand – and get animating!

Producing animations requires teamwork and collaboration, problem-solving and creativity. Animate It! software is detailed without being overwhelming and students will love seeing the end result of their hard work.

Everything you need to create amazing high-definition stop-motion animations. Fun for all experience levels!

Features
- Edit and watch while making your animation
- Time lapse
- Variable frame rates
- Copy and paste sequences
- Delete and reorder frames
- Onion skinning
- For Windows or Mac

Includes
- AnimateIt! Stop Motion Animation Software
- 720p HD webcam

System Requirements
- Windows XP SP3, Vista SP1, Windows 7, 8, or 10
- Mac OS 10.11 or later
- Intel Pentium 4, 3GHz/Athlon XP 3200+ equivalent or later
- 2GB RAM min., preferably 4GB
- 200MB free HDD space
- Video Card: 128MB or higher
- USB Version: USB 2.0 port

720p HD Webcam
- Bendable arm allows optimal positioning
- Built-in microphone
- Suction-type base
- 1x IR LED light: Infrared for shooting at night/low light areas
- Shutter button: Easy capture for still images
- For Windows XP, XP2, Vista, Win 7/8/10 and Mac OSx
- 5MP CMOS sensor
- Maximum resolution: 1080 x 720
- Rate: 30FPS @720p
- Interface type: USB 2.0 high speed
- Focal range: 30mm ~ Infinity
- Captured image format: BMP, JPEG, PNG
- Captured video format: AVI, WMV
- Working temperature: 14°-104°F
- Materials: ABS plastic
- Cable length: approx. 4'
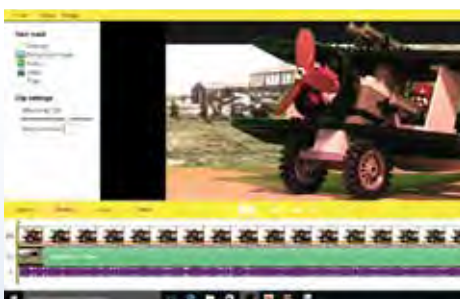
PLUS: Free Lesson Plans!

animation studio

Social Action

Fight Hunger and Carbon Footprint in Your School!

HamiltonBuhl® in Partnership with "Rock and Wrap It Up!"

Lead the Fight Against Poverty, Hunger and a Rising Carbon Footprint!

Creating innovative solutions to the world's most complex problems – STEM/STEAM will lead the way.

Science, Technology, Engineering, Art, and Mathematics have always been the means by which humankind innovates and progresses. Syd Mandelbaum, CEO/Founder of "Rock and Wrap It Up!" has used his extensive knowledge in Earth Science and Science to develop a way to help feed the hungry and reduce the planets poverty footprint while also minimizing society's growing carbon footprint. With "Rock and Wrap It Up!" feeding over 1 billion people worldwide, STEM/STEAM continues proving its value to society.

What Is "Rock and Wrap It Up!"?

Rock and Wrap It Up! is making a real-world impact on the global mission against poverty, world hunger, and a growing carbon footprint.

Donors include touring bands, educational institutions, the hospitality industry, professional sports teams, hospitals and TV/film shoots. Everyone that shares the same mission can volunteer to help "Rock and Wrap It Up!" and get food to those in need.

Support Local Efforts to Conserve Food/Recycle and Advocate for Change!

Lesson Plans for Educators

Rock and Wrap It Up! has made it easy to teach kids about sustainability in an exciting and relatable way by developing The Whole Earth Calculator Climate Literacy Lesson.

- FREE lesson plans feature over 70 sports partners including the New York Yankees and bands such as Aerosmith and the Allman Brothers Bands.
- Inspire students to make their own impact on the world around them by sharing real-world examples of how their heroes are helping make a difference.
- The Whole Earth Calculator shows how far each pound of donated food can go toward improving the lives of those not able to afford their next meal.
- It can even show how much CO2 emissions will be prevented from escaping into the environment for each pound of donated food.

Rock and Wrap It Up! along with the Whole Earth Calculator and the Climate Literacy Lesson Plans is the embodiment of the impact STEM/STEAM can have on the world.

Students will always be the future, and Rock and Wrap It Up! wants to ensure teachers and educators have the resources they need to make a long-lasting impact on their students' lives.

HamiltonBuhl® In-Class Growing System Hydroponic GrowLight™

How Can You Participate?
Download the Free Whole Earth Calculator!

Helping Feed the Hungry and Reduce Your Carbon Footprint!

The Whole Earth Calculator mobile application was designed to help spread a groundbreaking initiative with the world. And the lesson plans help educate the next generation of innovators to make a positive impact on their community and environment.

To access FREE lesson plans, go to: www.HamiltonBuhl.com/teacher-resources.

The FREE App is Available at Apple App Store: wec event/mobi or on GooglePlay

Download on the App Store

ANDROID APP ON Google play

HYDROPONIC GrowLight™

NEW

Get students of any age engaged in planting and tending their very own community garden. What are they learning?

They are beginning to grasp the fundamental concepts about science and the natural world – how much water is optimal for various plants, how temperature and lighting variable affect growth, what roots are for, how plant growth changes with the seasons, and other variables for growing healthy plants.

This is the foundation of environmental science and botany. Improve critical thinking skills, problem solving, and watch as children learn through trial and error.

Not every school can accommodate a gardening space, but now every school can easily provide these critical child development experiences, bringing more STEAM education to their students.

The HB Hydroponic GrowLight™ Kit includes everything needed to get started creating a community garden, anywhere. It uses the latest LED light and hydroponic technology to increase yield and speed up growth.

Take photosynthesis from being an abstract concept and give kids a chance to see it taking place, first-hand.

Unique Features

- Growth is completely contained in the GrowLight™ unit.
- Easy to set-up, maintain and keep clean
- No soil needed. GrowLight™ uses hydroponics and nutrient solutions to keep plants healthy
- Increases plant yield and speeds up growth
- Easy Set Day/Night Timer
- Expandable – Easily stack multiple units to create a larger indoor garden!

Learn the Fundamentals of Healthy Plant Growth – Perfect for STEAM Curriculum!

Specifications

- Full spectrum LED system and recycled hydroponics
- No chemical fertilizer residue
- Simple operation for everyone
- Clean, elegant design
- Programmable for time and pump use
- Power input: AC 110V-220V /50-60HZ
- Power output: 24V/2.0A; Rated power: 44W
- Planting vacancy: 28

Includes

- 30 Planting Baskets
- 30 Sponges
- 5 Caps
- 1 Seed Box (seeds and nutrients not included)
- Non-Woven Bag
- User's Manual
- Measuring Cup
- Tweezers

PLUS: Free Teacher Resources and Lesson Plans!

growlight kit

Reliable, Comfortable with High Quality Sound!

smart-trek series

Smart-Trek™ *Mini*

NEW

Midway Stereo Headphone and Headset Series

Smart-Trek™ Mini Midway Stereo Headset with In-Line Volume Control

The "Mini" Series is based on the same design as the Smart-Trek™ Deluxe size, only in a smaller, sleeker midway size. Durable and reliable, Smart-Trek™ Mini midway headsets are versatile – compatible with a wide variety of technologies. Designed to stand up to the K-12 environment, Smart-Trek™ Mini's are built to last.

Smart-Trek™ Mini's are rugged, yet comfortable, so teachers can count on these headsets to function for years, and students can comfortably wear them for an extended period of time. An adjustable headband snaps easily into place to fit students of all ages.

Smart-Trek™ Mini headsets feature a reliable, steel-reinforced gooseneck microphone for ease of use. The ear cups feature high-quality leatherette ear cushions that are easy to clean and provide excellent noise-isolation.

ANTI-LICE

DURA-CORD™

PROP 65 COMPLIANT

with TRRS Plug

Specifications
- Speaker Drivers: 40mm
- Frequency Response: 50-20,000hz
- Sensitivity: 105dB ±4dB
- Impedance: 32Ω
- Steel-Reinforced Gooseneck Microphone
- Black/Silver Color
- 120° 3.5mm TRRS
- Stereo with In-Line Volume Control
- Leatherette Ear Cushions
- Padded/Plastic Headband
- 5' Dura-Cord
- Prop 65 Compliant

Smart-Trek™ Mini Midway Stereo Headphone with In-Line Volume Control

The Smart-Trek™ Mini STM1BK midway headphone is the same design as the STM2BK (above), except without a microphone. This Mini is designed for durability and comfort, so students can wear them for extended periods of time. The STM1BK features an adjustable headband for a great fit, and leatherette ear cushions – great for everyday use.

Specifications
- Speaker Drivers: 40mm
- Frequency Response: 50-20000hz
- Sensitivity: 105dB ±4dB
- Impedance: 32Ω
- Black/Silver Color
- 120° 3.5mm TRS
- Stereo with In-Line Volume Control
- Leatherette Ear Cushions
- Padded/Plastic Headband
- 5' Dura-Cord
- Prop 65 Compliant

ANTI-LICE

DURA-CORD™

PROP 65 COMPLIANT
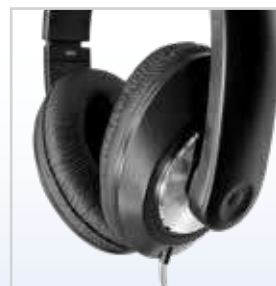
with TRS Plug

Smart-Trek™ Deluxe Headphone

Smart-Trek™ Mini Midway

www.HamiltonBuhl.com

Versatile and Stands up to the K-12 Environment!

Smart-Trek™ Deluxe Stereo Headphones and Headsets Series

BEST SELLER

| with TRS Plug | with USB Plug | with TRRS Plug & Mic | with USB Plug & Mic |

Smart-Trek™ Series of Deluxe Stereo Headphones and Headsets with In-Line Volume Control

The durable and sleek Smart-Trek™ deluxe headphones and headsets are versatile and compatible with a wide variety of technologies. Designed to stand up to the K-12 environment, Smart-Trek™ are built to last.

The Smart-Trek™ Series feature a rugged, yet comfortable design, so teachers can have these headphones/headsets that will function for years, and students can comfortably wear them for an extended period of time. An adjustable headband snaps easily into place to fit students of all ages.

The ear cups are made with high-quality leatherette ear cushions that are easy to clean, durable, and provide excellent noise-isolation.

The Smart-Trek™ headsets feature a durable, flexible, steel-reinforced gooseneck microphone.

All Smart-Trek™ headphones and headsets feature an in-line volume control and our trusted Dura-Cord™ — the chew, kink and knot-resistant, PVC-jacketed, braided nylon cord.

Specifications
- Speaker Drivers: 40mm
- Frequency Response: 50-20,000hz
- Sensitivity: 105dB ±4dB
- Impedance: 32Ω
- Black/Silver Color
- Plugs: ST1BK: 120° 3.5mm TRS
  - ST1BKU: 180° USB
  - ST2BK: 120° 3.5mm TRRS
  - ST2BKU: 180° USB
- Stereo
- Leatherette Ear Cushions
- Padded/Plastic Headband
- In-Line Volume Control
- 5' Dura-Cord
- Prop 65 Compliant

DURA-CORD™   ANTI-LICE   CALIFORNIA PROPOSITION 65 PROP 65 COMPLIANT

smart-trek series

USB Headsets for Easy Connectivity

The proliferation of all USB-only devices, such as Chromebooks, is creating a need for durable and more reliable headsets to complete the one-on-one learning experience.

mach series

MACH1™

Mach1™ Personal Multimedia USB Stereo Headset with Steel-Reinforced Gooseneck Microphone and In-line Volume Control

MACH1™ is the ruggedly-built, yet stylish, robust yet lightweight multimedia USB headset that will connect to any device with a USB port, whether PC or Mac!

Featuring soft leatherette ear cushions, omnidirectional, steel-reinforced microphone, in-line volume control, adjustable headband and excellent, high quality sound, MACH1™ is designed for all-day comfort and easy compact storage.

Loaded with all of these sought-after features, MACH1™ is the perfect device for everyday classroom use and testing.

ANTI-LICE

DURA-CORD™

CALIFORNIA PROPOSITION 65 PROP 65 COMPLIANT

Headset Specifications
- 30mm Speaker Drivers
- Frequency Response: 50-20,000 Hz
- Impedance: 32Ω
- In-Line Volume Control
- USB Plug for Stereo Audio and Mic
- 5' Dura-Cord™
- Noise-Isolating Leatherette Ear Cushions
- Prop 65 Compliant

Microphone Specifications
- Steel-Reinforced Omnidirectional Gooseneck Mic
- Frequency Response: 50-16,000 Hz
- Impedance: 2,200Ω
- Sensitivity: -36dB ±3dB

Available With USB-C Connector as well

49375 ....MSRP $47.99 (CAD)

MACH2™

Mach2™ Deluxe Multimedia USB Headset with Steel-Reinforced Gooseneck Microphone

MACH2™ is the deluxe, stylish, robust and versatile multimedia USB headset that will connect to any device with a USB port, whether PC or Mac!.

Featuring high quality integrated USB sound, steel-reinforced gooseneck microphone with on ear cup volume control, soft leatherette ear cushions delivering excellent noise-isolation, and adjustable, folding headband, MACH2™ is designed for all-day comfort and easy compact storage.

The ideal companion for ever-growing and changing technology in the classrooms, this deluxe, over-ear multimedia USB headset is the high quality, durable yet comfortable accessory each student needs to get the most out of their high tech lessons.

ANTI-LICE

DURA-CORD™

CALIFORNIA PROPOSITION 65 PROP 65 COMPLIANT

Headset Specifications
- 40mm Speaker Drivers
- Volume Control on Ear Cup
- USB Plug for Stereo Audio and Mic
- Frequency Response: 50-20,000 Hz
- Impedance: 32Ω
- 5' Dura-Cord™
- Foldable, Leatherette Padded Headband
- Noise-Isolating Leatherette Ear Cushions
- Prop 65 Compliant

Microphone Specifications
- Steel-Reinforced Omnidirectional Gooseneck Mic
- Frequency Response: 50-16,000 Hz
- Impedance: 2,200Ω
- Sensitivity: -36dB ±3dB

Available With USB-C Connector as well

49367 . . . . MSRP $59.99 (CAD)

Delivers on All Testing Requirements!

Accommodating virtually any device, the new TPRO Headsets provide ambient noise-cancelling to allow students to focus and perform at their best.

Hamilton Buhl®
Never-Ending Learning Innovation

T-PRO™ Series Multimedia USB and TRRS Headsets with Noise-Cancelling Mic

Available in two plug options – USB and TRRS – to accommodate virtually any device. The TP1-USB comes with a USB plug and the 49913 headset with TRRS plug has a slim barrel, 120° jack for easier audio-jack insertion into devices with protective covers.

T-Pro Features

• Superior speaker drivers for crystal clear sound quality
• Ambient noise-cancelling, adjustable, steel-reinforced gooseneck microphone with wider frequency response range to capture all student responses even lower and higher frequencies
• Ambidextrous gooseneck mic with a 210° swivel range to accommodate both right and left-handed users
• Noise-reducing, deluxe ear cup design to minimize noise for better concentration and focus
• Volume control knob on the ear cup to eliminate accidental volume changes during testing
• Soft, comfortable leatherette ear cushions for easy cleaning and easy care
• Dura-Cord – 5' chew and kink-resistant cord
• Lightweight, durable design – foldable for easy storage

Headphone Specifications

• Noise-reducing, deluxe ear cup design to minimize noise for better concentration and focus
• Soft, comfortable leatherette ear cushions for easy cleaning and easy care
• 40mm Stereo Speaker Drivers
• Ear Cup Volume Control, Mute Dial
• Impedance: 32Ω
• Max. Input Power: 100mW
• Frequency: 20~20,000Hz
• Sensitivity: 105dB ±4dB
• Plugs: TP1-USB: 180° Angled USB 2.0;
  49913: 120° Angled 3.5mm (1/8") TRRS
• 5' Dura-Cord™
• Prop 65 Compliant

Microphone Specifications

• Stereo, Steel-Reinforced Unidirectional Gooseneck Mic
• Frequency Response: 100~20,000Hz
• Impedance: 3320Ω
• Sensitivity: -43dB ±3dB
• Ambient Noise-Cancelling

49371 . . . . MSRP $59.99 (CAD)
49913 . . . MSRP $63.99 (CAD)

49371
with USB plug

ANTI-LICE

DURA-CORD

CALIFORNIA PROPOSITION 65
PROP 65
COMPLIANT

49913
with TRRS plug

Ambidextrous design accommodates right _and_ left-handed users

tpro series

![Hamilton Buhl logo - Never-Ending Learning Innovation]

Headsets

HamiltonBuhl® – Your Source for Meeting Requirements of All Educational Assessments!

HamiltonBuhl's easy-to-wear, easy-care headsets provide high quality sound, reliability, comfort and style for classrooms, at home and in the workplace, too. They are perfect companions to Apple devices, tablets, Chromebooks or almost any other mobile device. Available in personal on-ear (with smaller ear cushions) or deluxe over-ear (with larger ear cushions) designs, these headsets are all produced in easy-to-mark colors for fast, simple identification.

deluxe headsets

Deluxe Multimedia Headset with Steel-Reinforced Gooseneck Microphone and On-Ear Cup Volume Control

The 49901 is a high quality over-ear headset with built-in, steel-reinforced gooseneck microphone and on-ear cup volume control.

This headset features washable, replaceable soft vinyl ear cushions, an adjustable headband in an easy-to-wear, lightweight deluxe design, noise-reducing swivel ear-cups and Dura-Cord™ — our chew and kink-resistant, PVC-jacketed braided cord.

Each 49901 headset comes in its own heavy-duty, write-on, moisture resistant, reclosable bag.

ANTI-LICE

DURA-CORD™

Headphone
- Adjustable, plastic and leatherette headband
- Washable, replaceable vinyl ear cushions
- 40mm Speaker Drivers
- Frequency Response: 50-20,000 Hz
- Impedance: 32Ω
- Sensitivity: 105dB
- 3.5mm, Black-Jacketed, Nickel-Plated Stereo Input
- 5' Dura-Cord™
- Prop 65 Compliant

Microphone
- Unidirectional
- Noise-canceling
- Sensitivity: -58 dB ± 2dB
- Frequency Response: 50-16,000 Hz
- Impedance: 2,200Ω

49901 . . . . **MSRP $23.99 (CAD)**

Deluxe USB Headset with Steel-Reinforced Gooseneck Microphone and In-line Volume Control

The HamiltonBuhl 49368 is a high quality over-ear headset with integrated USB sound, built-in noise-canceling gooseneck microphone and in-line volume control.

USB 2.0 compliant, the 49368 features soft, washable, replaceable leatherette with vinyl ear cushions, noise-reducing swivel ear-cups and our exclusive Dura-Cord™.

With its adjustable headband and easy-to-wear lightweight design, this headset is a perfect companion for any USB-equipped computer or tablet.

ANTI-LICE

DURA-CORD™

Headphone
- Adjustable, plastic and leatherette headband
- Washable, replaceable vinyl ear cushions
- 40mm Speaker Drivers
- Frequency Response: 50-20,000 Hz
- Impedance: 32Ω
- USB 2.0 Compliant
- 5' Dura-Cord™
- In-line Volume Control and Mute
- Prop 65 Compliant

Microphone
- Unidirectional
- Noise-canceling
- Sensitivity: -58 dB ± 2dB
- Frequency Response: 50-16,000 Hz
- Impedance: 2,200Ω

Windows 10 Pro compatible (computers and tablets; latest service packs recommended)

49368 . . . . . . **MSRP $64.99 (CAD)**

ANTI-LICE This symbol indicates that the item includes our specially-designed Anti-Lice bag!

Quality Sound, Reliability and Comfort!

Deluxe Over-Ear Headset with Steel-Reinforced Gooseneck Microphone, In-Line Volume Control and TRRS Plug

The HamiltonBuhl 49372 headset with gooseneck microphone is the perfect accessory for any of your tablets, Chromebooks, smart phones or almost any mobile device.

The 49372 features over-ear noise-reducing, swivel ear-cup design; soft, washable and replaceable leatherette ear cushions and soft padded headband.

With its easy-to-mark light blue color, our exclusive Dura-Cord™ — a chew-resistant, PVC-sleeved, braided cord for long-term durability and reliability and its own anti-lice bag — heavy-duty, write-on, moisture resistant, reclosable bag — this fatigue-free headset is ideal for use in and out of the classroom and excellent for testing!

Headet Specifications

- 40mm Speaker Drivers
- Frequency Response: 50-20,000 Hz
- Impedance: 32Ω
- Sensitivity: 105dB ±4dB
- 3.5mm TRRS Plug
- Padded, Adjustable Headband
- Replaceable Leatherette Ear Cushions
- 4' Dura-Cord™
- Prop 65 Compliant

Microphone Specifications

- Steel-Reinforced Omnidirectional Mic
- Frequency Response: 50-20,000 Hz
- Impedance: 2,200Ω
- Sensitivity: -42dB ±3dB
- In-Line Volume Control
- 3.5mm TRRS Plug

ANTI-LICE

DURA-CORD

PROP 65 COMPLIANT

49372 . . . . MSRP $47.99 (CAD)

Deluxe Over-Ear Headset with In-Line Microphone, On-Ear Cup Volume Control and TRRS Plug

Headset Specifications

- 40mm Speaker Drivers
- Frequency Response: 50-20,000 Hz
- Impedance: 32Ω
- On-Ear Cup Volume Control
- Sensitivity: 105dB ±4dB
- 3.5mm TRRS Plug
- Padded, Adjustable Headband
- Replaceable Leatherette Ear Cushions
- 4' Dura-Cord™
- Prop 65 Compliant

Microphone Specifications

- Steel-Reinforced Omnidirectional Mic
- Frequency Response: 50-16,000 Hz
- Impedance: 2,200Ω
- Sensitivity: -42dB ±3dB
- In-Line Mute Button

ANTI-LICE

DURA-CORD

PROP 65 COMPLIANT

49370. . . . . MSRP $39.99 (CAD)

DURA-CORD Indicates product made with Dura-Cord™ — our exclusive chew, kink and knot-resistant, PVC-jacketed, braided cord.

deluxe headsets

Delivering on Learning Needs and Assessment Testing Requirements!

As hearing is the primary channel for learning, students need to clearly hear and understand spoken language, to ensure they not only meet, but exceed in their academics and state-mandated testing.

ANTI-LICE

DURA-CORD™

PROP 65 COMPLIANT

Personal Headset with In-Line Microphone and TRRS Plug

- 30mm Speaker Drivers
- In-Line Volume Control
- Frequency Response: 50-16,000 Hz
- Impedance: 32Ω
- Sensitivity: 105dB ±4dB
- 3.5mm TRRS Plug
- Omnidirectional Microphone
- Adjustable Headband
- Mac/PC Compatible
- 4' Dura-Cord™
- Prop 65 Compliant

BEST SELLER

ANTI-LICE

DURA-CORD™

PROP 65 COMPLIANT

Personal Headset with Gooseneck Steel-Reinforced Microphone and TRRS Plug

Built tough, durable, and designed for use with Mac or PC, the MS2G-AMV features an adjustable steel-reinforced gooseneck mic, comfortable foam ear cushions, and easy-to-wear adjustable headband. All allowing for fatigue-free use, and ideal for testing!

Headset Specifications

- 27mm Speaker Drivers
- Frequency Response: 50-16,000 Hz
- Impedance: 32Ω; Sensitivity: 105dB ±4dB
- 3.5mm TRRS plug
- 4' Dura-Cord™
- Replaceable Foam Ear Cushions
- Prop 65 Compliant

Microphone Specifications

- Sensitivity: -36dB ±3dB
- Frequency Response: 50-16,000 Hz
- Impedance: 2,200Ω
- Steel-Reinforced Omnidirectional Mic

49910 . . . .   MSRP $34.99 (CAD)

ANTI-LICE

DURA-CORD™

PROP 65 COMPLIANT

Personal Multimedia Headset with Steel-Reinforced Gooseneck Microphone

- 27mm Speaker Drivers
- Frequency Response: 50-16,000 Hz
- Impedance: 32Ω
- Sensitivity: 105dB ±4dB
- 3.5mm Dual PC Audio and Mic Plugs
- Replaceable Foam Ear Cushions
- Adjustable Headband
- 5' Dura-Cord™
- Prop 65 Compliant

49900 . . . . MSRP $23.99 (CAD)

Super-Affordable, Multi-Packs of Disposable Personal Headsets with Steel-Reinforced Gooseneck Microphone

The HA2G-P is designed with maximum functionality and affordability in mind – ideal for use with tablets, mobile devices, computers, MP3 players, CD players, and much more.

- Speaker Type: 30mm Moving Coil Speaker Driver
- Speaker Frequency Response: 20Hz – 20KHz
- Speaker Sensitivity: 113dB ±3dB
- Speaker Impedance: 32Ω ±15%
- Output Power: 0.03W
- Signal Format: Stereo
- Omnidirectional, Steel-Reinforced Gooseneck Mic
- Mic Sensitivity: -40dB ±3dB
- Mic Frequency Response: 20Hz-20KHz
- Mic Impedance: 2.2KΩ ±15%
- Plug: 3.5mm TRRS
- Cord: 5' PVC
- Prop 65 Compliant

PROP 65 COMPLIANT

personal headsets

MOTIV8™ Headphone and Headset

**Motiv8™ Midway Multimedia Headset
with Steel-Reinforced Gooseneck Microphone**

Motiv8™ headphones and headsets are lightweight, on-ear, midway-sized featuring an adjustable padded headband and in-line volume control. The headset includes a steel-reinforced gooseneck microphone for maximum versatility.

The 120° angled, slim-barrel plug ensures an easy fit on devices with thicker covers. Both include our exclusive Dura-Cord™ – the chew and kink-resistant, PVC-jacketed nylon cord.

Both units deliver superior sound quality ideal for all educational environments and feature soft, leatherette ear cushions designed for long-term comfort.

Headphone Specifications

- 40mm Speaker Drivers
- Frequency Response: 50-20,000 Hz
- Impedance: 32Ω
- In-Line Volume Control
- M8BK1: TRS plug can be used in any 3.5mm audio jack
- M8BK2: TRRS plug
- 5' Dura-Cord™
- Adjustable, Leatherette Padded Headband
- Comfortable Leatherette Ear Cushions
- Prop 65 Compliant

Microphone Specifications

- All specs as listed above, plus:
  Steel-Reinforced Omnidirectional Gooseneck Mic
- Frequency Response: 50-16,000 Hz
- Impedance: 2,200Ω
- Sensitivity: -36dB ±3dB

new

ANTI-LICE

DURA-CORD™

PROP 65 COMPLIANT

ⓩ Favoritz™

Favoritz™ "Cool for School" Headsets with In-Line Microphone and TRRS Plug

This design has a sleek appearance, comfortable fit and offers rugged durability for everyday use.

The Favoritz™ Series features compatibility with the latest technology by including a 3.5mm TRRS plug, in-line microphone and Dura-Cord™. The adjustable headband and cushioned ear cups make these perfect for long-term use, for all ages!

Specifications:

- 40mm Speaker Drivers
- Frequency Response: 50-20,000 Hz
- Impedance: 32Ω
- Sensitivity: 105dB ±4dB
- 5' Dura-Cord™
- 3.5mm Stereo TRRS Plug (one for both audio and microphone. Be sure your equipment will accept the TRRS plug – most older equipment requires dual plugs)
- In-Line Microphone
- Prop 65 Compliant

49374	Blue	$21.30 (CAD)
49984	Gray	$21.30 (CAD)
49898	Black	$21.30 (CAD)

ANTI-LICE

DURA-CORD™

PROP 65 COMPLIANT

midway headsets

High Fidelity Stereo, Deluxe Size Headphones for Listening and Learning

HamiltonBuhl® deluxe headphones are the go-to option for classrooms, language or multimedia labs and libraries. Designed with noise-reducing over-ear cups, HB deluxe headphones help minimize distractions and focus students on hearing and learning.

deluxe headphones

BEST SELLER

ANTI-LICE
DURA-CORD

ANTI-LICE
DURA-CORD

ANTI-LICE
DURA-CORD

SchoolMate™ Deluxe Stereo Headphone with Volume Control

- 40mm Speaker Drivers
- Frequency Response: 50-20,000 Hz
- Impedance: 32Ω
- Sensitivity: 105dB ±4dB
- Replaceable Leatherette Ear Cushions
- Volume Control on Ear Cup
- 3.5mm TRS Stereo Plug
- 5' Dura-Cord™
- Prop 65 Compliant

49337 . . . . MSRP $27.99 (CAD)

SchoolMate™ Deluxe Stereo Headphone with 3.5mm Plug

- 40mm Speaker Drivers
- Frequency Response: 50-20,000 Hz
- Impedance: 32Ω
- Sensitivity: 105dB ±4dB
- Replaceable Leatherette Ear Cushions
- 3.5mm TRS Stereo Plug
- 5' Dura-Cord™
- Prop 65 Compliant

49343 . . . . MSRP $27.99 (CAD)

Kids Deluxe Stereo Headphone with Volume Control

- 40mm Speaker Drivers
- Frequency Response: 50-20,000 Hz
- Impedance: 32Ω
- Sensitivity: 105dB ±4dB
- Volume Control on Ear Cup
- Replaceable Leatherette Cushions
- Leatherette Padded Headband
- 3.5mm TRS Stereo Plug
- 5' Dura-Cord™
- Prop 65 Compliant

Guide to Plug Types

Plug Type	3.5mm TRRS Plug	Dual 3.5mm Plug	USB Plug	3.5mm TRS Plug
Device Input				
Plug	Audio and Microphone in a Single 3.5mm Plug	Audio and Microphone in Dual 3.5mm Plugs	Audio and Microphone in a USB Plug	Audio Only 3.5mm Plug

Rugged, Reliable, Noise-Cancelling

Primo™

Primo™ Stereo Headphone

One of the building blocks to successful student learning is to develop listening skills for better comprehension, language and literacy. Teachers find that students excel when they are more focused on their lessons, in classrooms, labs, libraries, and testing environments. Primo™ headphones are uniquely designed to provide the perfect blend of all of these.

Noise-reducing leatherette ear cups allow students to clearly hear their lessons, and protect from unnecessary and distracting ambient noise as well.

These headphones are rugged and reliable, with a 3.5mm stereo plug, making it a versatile unit to connect to almost any audio device: tablets, smartphones, computers and more.

Specifications

- 30mm Speaker Drivers
- Frequency Response: 50-20,000 Hz
- Impedance: 32Ω
- Sensitivity: 105dB ±4dB
- 3.5mm TRS Plug
- 5′ Dura-Cord™
- Prop 65 Compliant

49346 - Blue . . . MSRP $24.99 (CAD)

Active Noise-Cancelling Headphone

The NCHBC1 headphones are specially-designed to deliver superior noise-cancellation by actively reducing harmful and annoying low frequency sounds in noisy environments. The deluxe, over-ear cups with soft cushions deliver passive noise suppression, as well. Together, the passive and active noise-cancelling technology creates a quiet, soothing environment to focus on the audio in your headphones or have some peace with no sound. The active noise-cancelling (ANC) circuitry runs on one AAA battery (not included) and comes with a zippered carry case for protection and easy storage.

Featuring an adjustable padded headband and a removable 5′ Dura-Cord™ that can be swapped out for a 5′ Dura-Cord™ with an in-line microphone, you can turn your headphone into a headset (sold separately – NCHBC2). Ideal for use with tablets, mobile devices and any unit with a 3.5mm stereo headphone jack.

Specifications

- 40mm Speaker Drivers
- Frequency range: 50Hz-20KHz
- Impedance: 32Ω
- Sensitivity: 105dB ±4dB
- Nominal input (Rate power): <50mW
- Maximum input (Power handling capacity): 100mW
- Active cancellation: 15dB – 20dB; Cancellation: 100Hz – 1KHz
- 1 "AAA" battery (not included)
- Plugs: 3.5mm TRS with 180° Angle (Plugs to Ear Cup End) and 3.5mm TRS with 120° Angle (Plugs to Audio Source)
- Prop 65 Compliant

ANTI-LICE

DURA-CORD™

PROP 65 COMPLIANT

DURA-CORD™

Optional Accessory
Turn your headphone into a headset with this 5′ Dura-Cord™ with an **in-line mic!**

deluxe headphones

Feature-Rich, with Quality Sound and Comfort!

HamiltonBuhl® personal headphones have been thoroughly tested for toughness, and are designed to help students get the most from their high-tech lessons.

personal headphones

ANTI-LICE

DURA-CORD™

PROP 65 COMPLIANT

SchoolMate™ Personal On-Ear Stereo Headphone with Leatherette Ear Cushions

- 30mm Speaker Drivers
- Frequency Response: 50-16,000 Hz
- Impedance: 32Ω
- Sensitivity: 105dB ±4dB
- Replaceable Leatherette Ear Cushions
- Adjustable Headband
- 3.5mm TRS Stereo Plug
- 5' Dura-Cord™
- Prop 65 Compliant

49341. . . . MSRP $17.99 (CAD)

BEST SELLER

ANTI-LICE

DURA-CORD™

PROP 65 COMPLIANT

SchoolMate™ Personal On-Ear Stereo Headphone with Leatherette Ear Cushions and In-Line Volume Control

- 30mm Speaker drivers
- In-Line Volume Control
- Frequency Response: 50-16,000 Hz
- Impedance: 32Ω
- Sensitivity: 105dB ±4dB
- Replaceable Leatherette Ear Cushions
- Adjustable Headband
- 3.5mm TRS Stereo Plug
- 5' Dura-Cord™
- Prop 65 Compliant

49344 . . . . . . MSRP $19.99 (CAD)

ANTI-LICE

DURA-CORD™

PROP 65 COMPLIANT

Kids Personal On-Ear Blue Stereo Headphone for Early Learners

- 30mm Speaker Drivers
- Frequency Response: 50-16,000 Hz
- Impedance: 32Ω
- Sensitivity: 105Db ±4Db
- Replaceable Foam Ear Cushions
- Adjustable Headband
- 3.5mm TRS Stereo Plug
- 5' Dura-Cord™
- Prop 65 Compliant

NEW ⊘ **Smart-Trek™** *Mini* **Series**

See the new Smart-Trek™ Mini Stereo Headphones and Headsets on page 26

Problem–Solvers

TRRS Adapter

This adapter converts any headset using a single TRRS plug into a dual plug to be used with standard computers.

Sound Key™

SoundKey™ Adapter
Connects ANY Headphone to USB!

SoundKey™ adapts any of your headphones or headsets, whether dual plug or one TRRS plug, to a USB plug. Has three inputs: for 3.5mm TRRS, stereo audio and microphone plugs, easily allowing use of a headphone or headset with any device, computer, laptop or Chromebook without a headphone jack.

Volume Limiting Control Cable

Limit the volume delivered to any headphone or headset from any audio source to a maximum of 80dB, using Audio Safe™ Control Technology.

More Durable and More Reliable Than Ever!

With today's ever-growing volume of digitally-delivered information, entertainment, lessons and curriculum, everyone is spending more and more time wearing headphones. HamiltonBuhl® personal headphones deliver high-quality sound in a comfortable, lightweight, and durable design.

Economical, Personal On-Ear Headphone

- 30mm Speaker Drivers
- Frequency Response: 50-16,000 Hz
- Impedance: 32Ω
- Sensitivity: 105dB ±4dB
- Replaceable Foam Ear Cushions
- 3.5mm TRS Stereo Plug
- 5' Dura-Cord™
- Prop 65 Compliant

49899 . . . . . MSRP $10.99 (CAD)

Personal On-Ear Stereo Headphone

- 30mm Speaker Drivers
- Adjustable Headband
- Frequency Response: 50-16,000 Hz
- Impedance: 32Ω
- Sensitivity: 105dB ±4dB
- Replaceable Foam Ear Cushions
- 3.5mm TRS Stereo Plug
- 5' Dura-Cord™
- Prop 65 Compliant

49338. . . . . . MSRP $12.99 (CAD)

SchoolMate™ Personal On-Ear Stereo Headphone with In-Line Volume Control

- 30mm Speaker Drivers
- Adjustable Headband
- Frequency Response: 50-16,000 Hz
- Impedance: 32Ω
- Sensitivity: 105dB ±4dB
- 3.5mm TRS Stereo Plug
- Replaceable Foam Ear Cushions
- 5' Dura-Cord™
- Prop 65 Compliant

49342. . . . . . . MSRP $17.99 (CAD)

HamiltonBuhl® Super-Affordable, Disposable Multi-Pack Personal Headphones

HamiltonBuhl® PER Series are multi-packs of our HA2-P super-affordable, disposable personal educational headphones. Designed for maximum functionality and affordability, these durable, affordable headphones are ideal for use with tablets, mobile devices, computers, MP3 players, CD players and much more.

Specifications

- Speaker: 40mm Moving Coil Speaker Driver
- Frequency Response: 20Hz – 20KHz
- Sensitivity: 105dB ±3dB
- Impedance: 32Ω ±15%
- Output Power: 0.03W
- Signal Format: Stereo
- Plug: 3.5mm TRS, 90° Angle
- Cord: 5' PVC
- Prop 65 Compliant

personal headphones

Virtually Indestructible Headphones!

FLEX-PHONES™

Twist-'Em, Turn 'Em, Stretch 'Em — Kids Won't Break 'Em!

BEST SELLER

Instructor

Flex-Phones™ Indestructible Foam Headphones for Early Learners

HamiltonBuhl Flex-Phones™ are nearly indestructible, made from a single piece of EVA foam. EVA foam is safe, non-toxic, BPA-free, soft and extremely flexible. Flex-Phones™ are certified for all major USA and international child safety testing standards, and have been awarded Scholastic's Teacher's Pick as "The Best of 2015".

Most importantly, the extremely clear sound quality will never exceed 85 decibels, ensuring young developing ears are well protected. Recommended for children ages 3 and up.

Flex-Phones come with a snap-on extension band for smaller children – just snap on the extension band for a snugger fit.

ANTI-LICE

DURA-CORD™

PROP 65 COMPLIANT

Specifications
- 30mm Speaker Drivers
- Impedance: 32Ω
- Frequency Response: 20-20,000 Hz
- Sensitivity: 82dB ±3dB
- 3.5mm TRS Stereo Plug
- 4' Dura-Cord™ – our chew, kink and knot-resistant, PVC-jacketed, braided cord.

49345	Red . . . . MSRP $37.99 (CAD)
49340	Black. . . MSRP $37.99 (CAD)
49339	Blue . . . . MSRP $37.99 (CAD)
	Purple . . MSRP $37.99 (CAD)
	Green . . MSRP $37.99 (CAD)

"My students like the flexibility and comfort, and since these headphones are so easy to clean, they are easier to use in centers, where more than one student will be wearing them."

**Shannon Oakes, Fourth-Grade Teacher
Brandenburg, Kentucky**

Hamilton Buhl®
Never-Ending Learning Innovation

FLEX-PHONES XL™

Flex-PhonesXL™ Indestructable Headphones and Headsets for Teens

Our award-winning, nearly indestructible Flex-Phones™ for pre-K and elementary school students are now available in a larger size to accommodate older students!

Flex-PhonesXL™ headphones and headsets for teenagers come with the same great features, such as a single piece construction made of safe, non-toxic BPA-free EVA foam.

Soft and extremely flexible, Flex-PhonesXL™ come with a headband clip to help adjust and configure the fit for virtually any tween or teen.

Flex-PhonesXL™ headsets feature an in-line microphone, volume control and both headphones and headsets come with the exclusive Dura-Cord™ – the chew, kink and knot-resistant, PVC-jacketed, braided cord.

- 30mm Speaker Drivers
- Impedance: 32Ω
- Frequency Response: 20-20,000 Hz
- Sensitivity: 97dB ±3dB
- 3.5mm TRS Stereo Plug
- 5' Dura-Cord™

Includes Double Adjustable/Removable Headband Clips – Fits Virtually Any Teen!

Flex-PhonesXL™ Headphone:

Blue . . . .$31.90 (CAD)
Black . . . .$31.90 (CAD)

Flex-PhonesXL™ Headset:

Blue . . . .$34.95 (CAD)
Black . . . .$34.95 (CAD)

ANTI-LICE

DURA-CORD™

PROP 65 COMPLIANT

midway headphones

Earbuds – High Quality Audio and Comfortable Fit!

Mobile devices have changed the way students learn and play. That's why HamiltonBuhl offers affordable and practical earbuds that provide high quality audio performance and comfortable fit.

Foam Cushion Ear Buds

HA-BUD Ear Buds are so comfortable, you'll wonder where the music is coming from! Featuring in-ear design, these sleek, quality ear buds feature a 3.5mm TRS Stereo Plug, 4' cord and ultra-soft, foam ear cushions.

Silicone Ear Buds

HA-EBS Silicone Ear Buds feature a 3' 10" cord with 3.5mm TRS Stereo Plug and easy-to-wear silicone ear plugs. The soft and flexible silicone tips help block out surrounding noise and outside distractions.

Silicone Ear Buds with In-Line Microphone

ISD-EBA Ear Buds with in-line microphone feature a play/pause control button (for non-PC devices). Sleek and lightweight, these ear buds come with 3.5mm TRRS plug and 6' cord, and are Mac/PC compatible.

Refresher Ear Cushions

Keep your headphones and headsets refreshed and like new for years to come with HamiltonBuhl® replacement ear cushions.

For Personal On-Ear

For Deluxe Over-Ear

For MS2L, MS2LV and MS2-AMV

For HA2, KIDS-HA2 and HA2V

For HA7, SC7V, SC-AMV, *49372*, KIDS-SC7V

For *49901*, 49368

Stay Clean and Healthy with HygenX™ Disposable Sanitary Ear Cup Covers and Microphone Covers

www.HamiltonBuhl.com

SUPER DEAL

skooob
by HamiltonBuhl®

Hamilton Buhl®
Never-Ending Learning Innovation

Never Get Tangled Again!

Ear Buds <u>Pre-Loaded</u> with Skooob® Tangle-Free, Protective Cord Covers

HamiltonBuhl® Ear Buds preloaded with SKOOOB tangle-free, protective cord covers are the quick, easy and hip solution to the cord mess everyone has to contend with. These lightweight, durable spiraled TPU plastic covers protect cords from stretching, kinking and tangling – each time, every time! Eliminate the hassle and frustration of knotted earbuds and charging cords!

Ear Buds (HA-BUD)
with SKOOOB Tangle-Free Cord Covers

Ear Buds (HA-EBS)
with SKOOOB Tangle-Free Cord Covers

Skooob® Tangle-Free Protective Cord Covers – In Assorted Fun Colors (Ear Buds Not Included)

Skooob – the quick, easy and fashionable solution to the tangled cord mess everyone has to contend with. These spiraled, lightweight and durable TPU plastic covers protect earphone cords from stretching, kinking and tangling – each time, every time!

- Can be used on any ear phones
- Tangle-free, hassle-free cords rights out of your pocket or bag
- Easily put on a new color whenever you want a different look
- Assorted vibrant, fashionable and fun colors available
- Lightweight and easy to install
- A box contains about 78" of Skooobs
- No more knots!

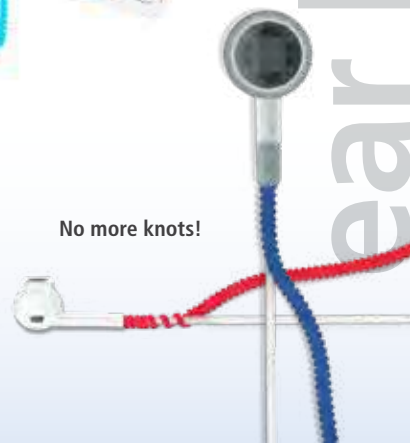| Cobalt Blue | Jet Black | Rose Fuchsia | Mint Green | Gray |

| Fire Red | Turquoise | Moon White | Yellow |

No more knots!

ear buds & co

41

Choose the Headsets to Perfectly Suit Your Needs!

This handy guide compares features to help you choose the right headsets or headphones for individual, multimedia, language or listening labs. All headsets have either an in-line or a gooseneck microphone, all with excellent audio pick-up. Audio signals on all headphones and headsets are stereo. See the product's individual pages for full descriptions.

Headsets Comparison Chart

Model	Deluxe Headsets							
	Smart-Trek™ Series:	Mach Series: 49367	TPro™ Series: 49913 & TP1-USB	49901	49368	49372	49370	NCHBC2
Style	Deluxe Over-Ear	Deluxe Over-Ear	Deluxe Over-Ear	Deluxe Over-Ear	Deluxe Over-Ear	Deluxe Over-Ear	Deluxe Over-Ear	Deluxe Over-Ear
Plug Type/Angle	ST2BK: 3.5mm TRRS/120° ST2BKU: USB/ 180°	49367: USB/180°	49913: 3.5mm TRRS/120°	Dual PC 3.5mm TRS/180° & 3.5mm Mic/180°	USB/180°	3.5mm TRRS/180°	3.5mm TRRS/180°	3.5mm TRRS/120°
Microphone	Steel-Reinforced Gooseneck	Steel-Reinforced Gooseneck	Ambidextrous, Steel-Reinforced Gooseneck	Steel-Reinforced Gooseneck	Steel-Reinforced Gooseneck	Steel-Reinforced Gooseneck	In-Line	In-Line, Headset made with Removeable Cable
Adjustable	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Headband	Padded	Padded	Padded	Plastic	Plastic	Padded	Padded	Padded
Ear Cushions	Leatherette	Leatherette	Leatherette	Vinyl	Vinyl	Leatherette	Leatherette	Leatherette
Color	Black/Silver	Black	Blue/Black	Beige	Beige	Blue	Blue	Black
Volume Control	In-Line	On Ear Cup	On Ear Cup	On Ear Cup	In-Line	In-Line	On Ear Cup	In-Line
Storage Bag	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cord	5' Dura-Cord	5' Dura-Cord	5' Dura-Cord	5' Dura-Cord	5' Dura-Cord	4' Dura-Cord	4' Dura-Cord	5' Dura-Cord
Noise-Reducing	Yes	Yes	Yes, Noise Cancelling	Yes	Yes	Yes	Yes	Yes, Noise-Cancelling
Refresh Kit	N/A	N/A	N/A	5082	5082	5077	5077	N/A
Sanitary Covers	HygenX45	HygenX45	HygenX45	HygenX45	HygenX45	HygenX45	HygenX45	HygenX45
Prop 65 Compliant	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Model	Midway Headsets			
	Smart-Trek™ Mini STM2BK	Motiv8™ M8BK2	Favoritz™	Flex-PhonesXL™ FLEX2 & FLEX2BK
Style	Midway On-Ear	Midway On-Ear	Midway On-Ear	Midway On-Ear
Plug Type/Angle	3.5mm TRRS/120°	3.5mm TRRS/120°	3.5mm TRRS/120°	3.5mm TRRS/120°
Microphone	Steel-Reinforced Gooseneck	Steel-Reinforced Gooseneck	In-Line	In-Line
Adjustable	Yes	Yes	Yes	Yes
Headband	Padded	Padded	Padded	EVA Foam
Ear Cushions	Leatherette	Leatherette	Leatherette	Leatherette
Color	Silver/Black	Black	Gray, Blue or Black	Blue (FLEX2) or Black (FLEX2BK)
Volume Control	In-Line	In-Line	—	In-Line
Storage Bag	Yes	Yes	Yes	Yes
Cord	5' Dura-Cord	5' Dura-Cord	5' Dura-Cord	5' Dura-Cord
Noise-Reducing	Yes	Yes	Yes	Yes
Refresh Kit	N/A	N/A	N/A	N/A
Sanitary Covers	HygenX25	HygenX25	HygenX25	HygenX25
Prop 65 Compliant	Yes	Yes	Yes	Yes

Model	Personal Headsets			
	Mach Series: 49375	49900	MS2-AMV	49910
Style	Personal On-Ear	Personal On-Ear	Personal On-Ear	Personal On-Ear
Plug Type/Angle	49375: USB/180°	Dual PC 3.5mm TRS/180° & 3.5mm Mic/180°	3.5mm TRRS/180°	3.5mm TRRS/180°
Microphone	In-Line	Steel-Reinforced Gooseneck	In-Line	Steel-Reinforced Gooseneck
Adjustable	Yes	Yes	Yes	Yes
Headband	Plastic	Plastic	Plastic	Plastic
Ear Cushions	Leatherette	Foam	Leatherette	Foam
Color	Black/Silver	Gray	Blue	Blue
Volume Control	In-Line	—	In-Line	—
Storage Bag	Yes	Yes	Yes	Yes
Cord	5' Dura-Cord	5' Dura-Cord	4' Dura-Cord	4' Dura-Cord
Noise-Reducing	—	—	—	—
Refresh Kit	N/A	N/A	5079	N/A
Sanitary Covers	HygenX25	HygenX25	HygenX25	HygenX25
Prop 65 Compliant	Yes	Yes	Yes	Yes

For Cushion Replacements, See Page 40

ANTI-LICE This symbol indicates that the item includes our specially-designed Anti-Lice bag!

www.HamiltonBuhl.com

Headphones Comparison Chart

Deluxe Headphones

Model	Smart-Trek™ Series:	49337	49343	KIDS-SC7V	49346
Style	Deluxe Over-Ear	Deluxe Over-Ear	Deluxe Over-Ear	Deluxe Over-Ear	Deluxe Over-Ear
Plug Type/Angle	ST1BK: 3.5mm TRS/120° ST1BKU: USB 120°	3.5mm TRS/120°	3.5mm TRS/120°	3.5mm TRS/120°	3.5mm TRS/120°
Adjustable	Yes	Yes	Yes	Yes	Yes
Headband	Padded	Plastic	Plastic	Padded	Plastic
Ear Cushions	Leatherette	Leatherette	Leatherette	Leatherette	Leatherette
Color	Black/Silver	Gray	Gray	Blue	Blue, Red or Black
Volume Control	In-Line	On Ear Cup	—	On Ear Cup	—
Storage Bag	Yes	Yes	Yes	Yes	Yes
Cord	5' Dura-Cord	5' Dura-Cord	5' Dura-Cord	5' Dura-Cord	5' Dura-Cord
Noise-Reducing	Yes	Yes	Yes	Yes	—
Refresh Kit	N/A	5077	5077	5077	N/A
Sanitary Covers	HygenX45	HygenX45	HygenX45	HygenX45	HygenX25
Prop 65 Compliant	Yes	Yes	Yes	Yes	Yes

Personal Headphones

Model	49899	49338	49342	49341	49344	KIDS-HA2
Style	Personal On-Ear	Personal On-Ear	Personal On-Ear	Personal On-Ear	Personal On-Ear	Personal On-Ear
Plug Type/Angle	3.5mm TRS/120°	3.5mm TRS/120°	3.5mm TRS/120°	3.5mm TRS/120°	3.5mm TRS/120°	3.5mm TRS/120°
Adjustable	Yes	Yes	Yes	Yes	Yes	Yes
Headband	Wire	Plastic	Plastic	Plastic	Plastic	Plastic
Ear Cushions	Foam	Foam	Foam	Leatherette	Leatherette	Foam
Color	Gray	Gray	Gray	Gray	Gray	Blue
Volume Control	—	—	In-Line	—	In-Line	—
Storage Bag	Yes	Yes	Yes	Yes	Yes	Yes
Cord	5' Dura-Cord	5' Dura-Cord	5' Dura-Cord	5' Dura-Cord	5' Dura-Cord	5' Dura-Cord
Noise-Reducing	—	—	—	—	—	—
Refresh Kit	N/A	5076	5076	5079	5079	5076
Sanitary Covers	HygenX25	HygenX25	HygenX25	HygenX25	HygenX25	HygenX25
Prop 65 Compliant	Yes	Yes	Yes	Yes	Yes	Yes

Midway Headphones

Model	Smart-Trek™ Mini - STM1BK	Motiv8™ M8BK1	Flex-PhonesXL™ FLEX1 & FLEX1BK	Flex-Phones™	Flex-Phones™ Wireless FLEXW1 & FLEXW1BK	NCHBC1
Style	Midway On-Ear	Midway On-Ear	Midway On-Ear	Midway On-Ear	Midway On-Ear	Midway On-Ear
Plug Type/Angle	3.5mm TRS/120°	3.5mm TRS/120°	3.5mm TRS/120°	3.5mm TRS/120°	N/A	Removeable 3.5mm TRS/120°
Adjustable	Yes	Yes	Yes	Yes	Yes	Yes
Headband	Padded	Padded	EVA Foam	EVA Foam	EVA Foam	Padded
Ear Cushions	Leatherette	Leatherette	Leatherette	Leatherette	Leatherette	Leatherette
Color	Black/Silver	Black	Blue or Black	Red, Blue, Black, Green or Purple	Blue or Black	Black
Volume Control	In-Line	In-Line	—	—	On Ear Cup	—
Storage Bag	Yes	Yes	Yes	Yes	Yes	Case Included
Cord	5' Dura-Cord	5' Dura-Cord	5' Dura-Cord	4' Dura-Cord	—	5' Dura-Cord
Noise-Reducing	Yes	Yes	Yes	Yes	Yes	Yes, Noise Cancelling
Refresh Kit	N/A	N/A	N/A	N/A	N/A	N/A
Sanitary Covers	HygenX25	HygenX25	HygenX25	HygenX25	HygenX25	HygenX45
Prop 65 Compliant	Yes	Yes	Yes	Yes	Yes	Yes

For Cushion Replacements, See Page 40

All HamiltonBuhl® Headphones and Headsets are Prop 65 Compliant

This symbol indicates product made with Dura-Cord™ – our chew, kink and knot-resistant, PVC-jacketed, braided cord.

Exclusive!
One Transmitter Broadcasts To Unlimited Number!

AUDIOFLOW™
Wireless Listening Centers

wireless systems

x12

All AudioFlow™ Wireless Listening Centers come with W901 Multi-Channel Wireless Headphones

AudioFlow™ | MEGA12
12-Station Wireless Listening Center with Multi-Frequency Bluetooth® Transmitter

Connect to the wireless transmitter via Bluetooth® with your tablet, mobile device or any unit with Bluetooth® capabilities. Audio is then transmitted to a nearly unlimited number of wireless headphones via a wireless FM signal.

Perfect for all multimedia, lab and classroom applications, this system includes one wireless transmitter, twelve headphones and a lockable carrying case (lock not included). Easily switch between 4 different frequencies with color-coded switches. Add additional transmitters to have up to 4 different channels of audio simultaneously!

Includes:

	(1) Multi-Channel FM Transmitter with Bluetooth® Receiver
49962	(12) Wireless Multi-Channel Headphones (not Bluetooth®)
49964	(2) 6-Way Charging Cables for Wireless Headphone Charging
49963	(2) 12V AC Power Adapter
	(1) Compact, Lockable Carrying Case (lock not included)

Same as above, except 6-Station, 1 charging cable, 1 adapter and no case. See website for details.

Bluetooth®   FM Wireless   Unlimited

Go Wireless with Plug-and-Play Simplicity!

AF AUDIOFLOW™
Wireless Listening Centers

BEST SELLER

AudioFlow™ `MEGA12`
12-Station Wireless Listening Center with AUX-In Multi-Frequency Transmitter

This 12-station listening center provides everything you need to add wireless audio capability to your classroom. Plug the 49961 AUX-In transmitter directly to TV, CD player, tablet, smartphone, etc. with the 3.5mm plug, then transmit to an unlimited number of wireless headphones via FM signal.

Includes:

49961	AUX-In Multi-Channel FM Transmitter
49962	(12) Wireless Multi-Channel Headphones
49964	(2) 6-Way Charging Cables
49963	(2) 12V AC Power Adapters
	Large, Durable, Lockable Carrying Case (lock not included)

AudioFlow™ (not shown)
6-Station Wireless Listening Center with AUX-In Multi-Frequency Transmitter (without case)

Includes:

49961	AUX-In Multi-Channel FM Transmitter
49962	(6) Wireless Multi-Channel Headphones
49964	(1) 6-Way Charging Cables
49963	(1) 12V AC Power Adapters

Alternate Configurations:

49960 . . . . MSRP $549.99

Same as above except with four 49962 Headphones

Additional Components:

Bluetooth® and AUX-In FM Transmitter

AUX-In FM Transmitter
49961
MSRP $84.99 (CAD)

Sturdy, Steel Headphone Rack

Wireless Multi-Channel Headphone
49962...MSRP $109.99 (CAD)

6-Way Charging Cable for 900 Series Headphones
49964*..MSRP $40.99 (CAD)

Replacement 12V AC Power Adapter for 900 Series Transmitter
49963*. . MSRP $45.99 (CAD)

*Please Note: For configurations with more than 6 headphones, when charging all at one time, you will need an additional 49963 and 49964.

Go Wireless in Your Classroom!

Listening Centers Featuring Flex-PhonesAF™

wireless systems

Perfect for all multimedia, lab and classroom applications, these wireless systems include everything you need in a listening center along with high quality, unrivaled functionality and rugged durability. Simply connect your Bluetooth-enabled AudioAce™ boombox (CD, cassette and FM radio media player) to the wireless transmitter, then, via an FM signal, transmit to a nearly unlimited number of wireless, virtually indestructible Flex-PhonesAF™ headphones.

FLEX-PHONES AF™

6-Person Blue Wireless Flex-PhonesAF™ Wireless Listening Center with AudioAce™ Boombox

Includes:
- (1) AudioAce™ Portable Bluetooth® Boombox and Media Player (49347)
- (6) Blue Flex-PhonesAF™ Wireless Dual-Channel Headphones (49339)
- (1) Wireless Transmitter (49961)
- (1) 6-Way Charging Cable (49964)
- (1) Lockable Carrying Case (lock not included)

AudioAce™

FLEX-PHONES AF™

6-Person Blue Wireless Flex-PhonesAF™ Wireless Listening Center with AudioAce™ Boombox
and Large, Lockable Carry Case (lock not included)

Includes:
- (1) AudioAce™ Portable Bluetooth® Boombox and Media Player (49347)
- (6) Blue Flex-PhonesAF™ Wireless Dual-Channel Headphones (49339)
- (1) Wireless Transmitter (49961)
- (1) Large, Lockable Carrying Case (lock not included) and Foam Protective Inserts

AudioAce™

Plug-and-Play Simplicity!

Listening Centers Featuring Wireless Flex-PhonesAF™

These wireless systems offer high quality, unrivaled functionality and rugged durability, and feature the wireless, virtually indestructible Flex-PhonesAF™ headphones with multi-frequency transmitter.

FLEX-PHONES AF™

6-Person Blue Flex-PhonesAF™ Wireless Listening Center with AudioChamp™ CD, USB, MP3 Player

Includes:

- (1) CD Player (49349)
- (6) Blue Flex-PhonesAF™ Wireless Dual-Channel Headphones (49339)
- (1) Wireless Transmitter (49961)
- (1) 6-Way Charging Cable (49964)
- (1) Lockable Carrying Case (lock not included)

FLEX-PHONES AF™

6-Person Black Flex-PhonesAF™ Wireless Listening Center with Juke24™ Media Player

Includes:

- (1) Juke24™ Media Player/Jukebox in Black/Silver (49356)
- (6) Black Flex-PhonesAF™ Wireless Dual-Channel Headphones (49340)
- (1) Wireless Transmitter (49961)
- (1) 6-Way Charging Cable (49964)
- (1) Lockable Carrying Case (lock not included)

FLEX-PHONES AF™

6-Person Indestructible Blue Flex-PhonesAF™ Wireless Listening Center with Multi-Channel Transmitter

Includes:

- (6) Blue Flex-PhonesAF™ Wireless Dual-Channel Headphones (49339)
- (1) Wireless Transmitter (49961)
- (1) 6-Way Charging Cable (49964)

wireless systems

Sack-O-Phones

A Handy Knapsack Filled With Your Choice!

Sack-O-Phones are the easy, economical way to take headphones and headsets wherever you go and use as storage, too! The unique knapsack includes either five deluxe, or ten personal headsets. Be sure to choose the right plug to match your device. For more specifications, refer to our headphone and headsets section.

Set of Five

Sack-O-Phones with 5 49337 Deluxe Headphones

- Leatherette ear cushions
- Volume control on ear cup
- 3.5mm TRS Stereo Plug

Set of 100 Ear Buds

Sack-O-Phones with 100 Stereo Ear Buds

- Ultra-soft foam ear cushions
- Sleek and comfortable
- 3.5mm TRS Stereo Plug
- 4' cord

NEW

Favoritz™

ANTI-LICE

Sack-O-Phones Kits with 5 Favoritz™ TRRS Headsets with In-Line Microphone – Sleek, Rugged, Dependable!

Designed for Classrooms – Easy and Economical!

Sack-O-Phones with 10 Personal Economical Stereo Headphones

- 3.5mm TRS Stereo Plug

ANTI-LICE
DURA-CORD

Sack-O-Phones with 10 HA2 Personal Headphones

- Foam ear cushions
- 3.5mm TRS Stereo Plug

ANTI-LICE
DURA-CORD

Sack-O-Phones 8 Primo Personal Stereo Headphones Plus Jackbox

- 8 Primo™ Headphones with 3.5mm TRS Stereo Plug, JBP8VA Jackbox, Sack-O-Phones Carry Bag

new

Sack-O-Phones with 6 Primo Personal Stereo Headphones Plus Jackbox

- 6 Primo™ Headphones with 3.5mm TRS Stereo Plug, JBP8VA Jackbox, Sack-O-Phones Carry Bag (Same as above, except with 6 Headphones)

ANTI-LICE
DURA-CORD

Primo™

Sack-O-Phones Kits with 5 Primo™ Stereo Headphones

sack-o-phones

A Perfect Solution for Busy Classrooms!

These Lab Packs have been specially-designed with busy classrooms in mind. Available in many configurations, these lab packs are sure to be a tremendous help – providing students with the headphones or headsets needed to keep up with their high-tech lessons!

Item Number	Quantity/Type Headphones	Headphone Style	Earpads	Carrying Case
HMC/20/ST1BK	20 ST1BK Smart-Trek	Deluxe, with Volume Control	Leatherette	Large, Durable, Lockable*
LCP/12/HA7	12 49343	Deluxe	Leatherette	Compact Lockable*
HMC/24/HA7	24 49343	Deluxe	Leatherette	Large, Durable, Lockable*
LCP/12/SC7V	12 49337	Deluxe, with Volume Control	Leatherette	Compact Lockable*
LCP/24/HA2	24 49338	Personal	Foam	Compact Lockable*
LCB/12/MS2LV	12 49344	Personal, with Volume Control	Leatherette	Laminated Cardboard
LCP/24/MS2L	24 49341	Personal	Leatherette	Compact Lockable*
LCP/30/MS2L	30 49341	Personal	Leatherette	Compact Lockable*
LCP/24/MS2LV	24 49344	Personal, with Volume Control	Leatherette	Compact Lockable*
LCP-10KBL	10 Blue Flex-Phones™	Flex-Phones Indestructable EVA Foam	Leatherette	Compact Lockable*
HMC-18KBL	18 Blue Flex-Phones™	Flex-Phones Indestructable EVA Foam	EVA Foam	Large, Durable, Lockable*
HMC-24PRM	24 Primo™ Blue	Noise-Reducing	Leatherette	Large, Durable, Lockable*
49979	12 49374 Blue	Inline Mic	Leatherette	Compact Lockable*

NEW

For more specifications on each of these headphones, please visit our headphone section.
*Lock not included.

lab packs

HMC/24/HA7
Also Available in Pack of 12 with Compact Lockable Carry Case (LCP/12/HA7)

Durable Headphones in Larger Quantities!

NEW

Smart-Trek™

Primo™

Favoritz™

49979

FLEX-PHONES™

Also Available in Pack of 10 with
Compact Lockable Carry Case

Hamilton Buhl®
Never-Ending Learning Innovation

Hamilton Buhl®
Never-Ending Learning Innovation

Bring the well-researched student benefits of media players into your classroom. Give your students the extra edge, with improvements in focus, cognitive control, performance, literacy and learning!

media players

AudioChamp™ Top-Loading Portable Classroom CD/MP3 Player with USB

The HamiltonBuhl AudioChamp™ Top-Loading CD/MP3 Player with USB is built to deliver the latest audio technology to the classroom in an easy-to-use package.

With the ability to play recorded media including CD-R and CD-RW, as well as MP3 files, this media player features a 3W amplifier and built-in speaker delivering crisp, clear sound to small groups. Built for long-term use, this classroom-proven player is a great addition to your school.

- Plays audio CD, CD-R, CD-RW and MP3 on CD-R or CD-RW
- Plays MP3 on USB flash drives via built-in USB port
- Built-in 3W amplifier and speaker
- 3.5mm and 1/4″ stereo headphone jacks
- Digital pushbutton volume control
- Runs on 6V wall power adapter or 4 "C" batteries (not included)

49349 . . . . MSRP $179.99 (CAD)

AudioMVP™ Media Player with Bluetooth® Receiver, CD Player and FM Radio

Take your classroom technology up a notch with the boombox that lets you stream music from your Bluetooth® enabled device in addition to playing CDs or FM Radio. This school-tested, teacher-approved boombox gives you unrivaled control of the listening experience!

- Supports Bluetooth® v2.0
- Wireless range: 33 feet
- CD player: CD, CD-R/RW
- Digital FM radio (PLL)
- Includes 3.5mm headphone jack
- Top-load disc player
- Programmable tracks
- Repeat 1 or ALL play
- Digital volume control
- LCD display
- Built-in telescopic antenna
- Built-in stereo speaker
- AC power adapter
- DC battery power: 8 "C" batteries (not included)

49350 . . . MSRP $189.99 (CAD)

Top-Loading CD Boombox with AM/FM Radio

The HamiltonBuhl MPC-3030 Top Loading CD Player offers superb functionality and heavy-duty design that will be hard to match for classroom use.

The MPC-3030 features a programmable CD player and built-in AM/FM radio tuner. The clear LED display and pushbutton design provide greater ease-of-use when working in any busy classroom environment.

- AM/FM Radio with analog tuner, LED display
- CD Programmable function and CD repeat one and all function
- 3.5mm Headphone jack
- Telescopic antenna
- AC/DC dual power source

Our Most Economical Top-Loading CD Player!

49351 . . . . MSRP $129.99 (CAD)

AudioAce™

BEST SELLER

AudioAce™ Portable Bluetooth® Boombox and Media Player

Built to deliver on the multiple media needs and demands of today's classrooms, this versatile boombox accommodates both old and new technologies!

Play CDs, cassette tapes, FM radio, and with built-in Bluetooth®, wirelessly stream music from tablet, smartphone, computer or any other Bluetooth® enabled device, and playback media from non-Bluetooth® devices via AUX IN jack.

Teacher-approved, AudioAce™ is designed and built to withstand the rigors of classroom use while providing high quality sound.

- Programmable CD player with repeat play
- Plays CDs, cassette tapes, FM radio
- (6) 3.5mm Headphone jacks
- AC Adapter or 8 "C" batteries (not included)
- Power: 4W RMS
- Playback non-Bluetooth devices via AUX IN jack (cable not included)

49347. . . . . MSRP $179.99 (CAD)

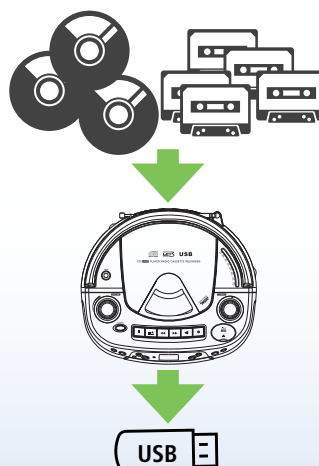**Rear View:
6 Headphone Jacks**

AudioStar™ Portable Media Player with CD/Cassette/MP3/USB and AM/FM Radio

The AudioStar™ from HamiltonBuhl is a unique boombox that plays everything from old technology like radio and cassette tapes to the latest including CDs and MP3 files on CD or USB stick.

And now, it has a built-in tape and CD-to-MP3 converter allowing you to convert all your tapes and CDs to MP3 files and record them onto a USB flash drive without a computer!

- Converts cassette tapes and CDs in real time to MP3 format compatible with PC and MAC
- No computer needed - records directly to USB flash drive
- Programmable CD Player w/repeat play - plays CD audio and MP3 files on CD
- USB Port to playback MP3 Files on USB memory stick
- Cassette Player/Recorder, records from CD or Radio
- Receives AM/FM radio broadcasts
- Dual Power: AC or 6 "D" size batteries (not included)
- Six 3.5mm headphone jacks

49348 . . . . . . MSRP $179.99 (CAD)

USB

**Rear View:
6 Headphone Jacks**

media players

53

media players

Bring the well-researched student benefits of media players into your classroom. Give your students the extra edge, with improvements in focus, cognitive control, performance, literacy and learning!

Kid's Audio CD Player Karaoke Machine/ Boombox with Sing-Along Microphone

The 49355 is a colorful and fun audio CD player specially-designed for early childhood users and perfect for use in a listening center or classroom. The fun colors and easy functionality of the 49355 make it a great tool for younger children. Watch their eyes light up with excitement when they use this specially-designed karaoke machine and CD player. Microphone included.

- Colorful top-loading CD/CDR-RW player includes sing-along microphone with ON/OFF switch (4' mic cable)
- Displays track number and fast track search function
- AM/FM radio, telescoping antenna
- One stereo 3.5mm headphone jack
- AC cable (included) or 8 "C" batteries (not included)
- Foldable carry handle

49355 . . . . . . MSRP $169.99 (CAD)

Front   **Back**

Portable Wireless Bluetooth Amplifier

Quality sound from a small amp sent from a Bluetooth-enabled device or via the 3.5mm audio input. Durable ABS plastic.
- Pocket-sized speaker: 4" W x 2" H x 1.25" D
- Rechargeable lithium-ion battery; USB charging cable supplied
- Range: 33'; Line in; TF card reader
- Frequency Response: 90Hz-20KHz; Distortion: 0.3%

2-Station Classroom Cassette Player and Recorder with USB Port

- (2) 1/4" headphone jacks
- Auto shut-off and high quality speaker
- AC/DC operation
- 4 "C" batteries (not included)
- For higher quality voice recording, use external microphone (DY-5 sold separately)

49352 . . . . MSRP $99.99 (CAD)

Anti-Skip CD/CDR Player with Stereo Earbuds

- LCD track display, Programmable tracks, 3.5mm mini plug headphone jack
- Low battery indicator
- 2 "AA" batteries (not included)

49353 . . . . . . MSRP $89.99 (CAD)

Dual-Jack Cardioid Dynamic Microphone with Built-in On/Off Switch

8-Position Bluetooth-Enabled Jackbox

The JB8V-BT provides individual volume controls and delivers stereo sound for up to 8 students. Connect the AUX IN to a media player with a 3.5mm plug or use a Bluetooth-enabled device to send your signal wirelessly via Bluetooth® to the jackbox. May be daisy-chained with up to 2 additional units via wire connection for a total of 24 listeners. A digital readout shows battery level.

Easily Foster Learning and Creativity in Groups!

Juke24™ Listening Centers offer unparalleled versatility, unrivaled functionality and value by combining our headphones with Juke24™ – the one-of-a-kind, next-generation media player and jukebox in one!

Whether you are using it for language acquisition and literacy activities, foreign language instruction, singing, storytelling or gym activities, fostering learning, creativity and independence will be easy with Juke24™ Listening Centers. Use it once and these listening centers will become an integral part of your classroom!

Juke24™ holds up to 48 hours of any audio content and can be uploaded using virtually any device.

Juke24™ Listening Centers

Juke24™ Flex (Black)

- Black Juke24™ (49356)
- Black Stereo Jackbox with Individual Volume Controls
- (6) Black Flex-Phones™ Headphones (49340)
- Large Lockable Carrying Case *

Juke24™ MEGA (Black)

- Black Juke24™ (49356)
- Black Stereo Jackbox with Individual Volume Controls
- (6) 49337 Deluxe Headphones
- Large Lockable Carrying Case *

Juke24™ Flex (Red)

- Red Juke24™ (49354)
- Red Stereo Jackbox with Individual Volume Controls
- (6) Red Flex-Phones™ Headphones (49345)
- Large Lockable Carrying Case (HMC)*

Each Juke24™ Listening Center includes a microphone for singalongs or to record favorite stories!

Kits with AudioAce® Media Player

listening centers

AudioAce™

Included With All Kits On These Two Pages

AudioAce™ Portable Bluetooth® Boombox and Media Player

- Bluetooth connectivity
- Digital display
- Programmable CD player with cassette/FM stereo
- Cassette player, also records from CD
- Six 3.5mm headphone jacks
- Output power: 4W RMS

49347 . . . . MSRP $179.99 (CAD)

DURA-CORD ✓ ANTI-LICE

AudioAce™ **MEGA**

- AudioAce™ Media player
- (6) 49337 Deluxe headphones with volume control
- Stereo jackbox with individual volume control
- Large durable lockable case

49902......MSRP $599.99 (CAD)

DURA-CORD ✓ ANTI-LICE

AudioAce™ **PRIME**

Same as above except with laminated cardboard carrying box with handle (not shown)

DURA-CORD ✓ ANTI-LICE

AudioAce™ **ALPHA**

- AudioAce™ Media player
- (6) 49337 Deluxe headphones with volume control
- Stereo jackbox with individual volume control
- Compact, lockable carrying case*

DURA-CORD ✓ ANTI-LICE

AudioAce™ **ALPHA4**

- AudioAce™ Media player
- (4) 49337 Deluxe headphones with volume control
- Stereo jackbox with individual volume controls
- Compact, lockable carrying case*

*Lock not included with lockable carrying cases.

HB Hamilton Buhl®
Never-Ending Learning Innovation

Smart-Trek™

NEW

AudioAce™ — TREK

- AudioAce™ Media Player
- (6) Smart-Trek ST1BK personal headphones
- Stereo jackbox with individual volume controls
- Compact, lockable carrying case*

DURA-CORD ✓ ANTI-LICE

AudioAce™ — ALPHA

- AudioAce™ Media Player
- (6) 49962 - Multi-channel wireless headphones
- 49961 - Multi-channel transmitter with AUX In
- Compact, lockable carrying case*

AudioAce™ — OPTIMA

DURA-CORD ✓ ANTI-LICE

- AudioAce™ Media player
- (6) 49338 personal headphones
- Stereo jackbox with individual volume controls
- Large, durable, lockable carrying case*

49903. . . . MSRP $489.99 (CAD)

AudioAce™ — OPTIMA LITE

Same as kit above, except with the compact lockable carrying case* (case shown below)

LCP: The Compact, Lockable Carrying Case

*For all HMC kits, media player fits in the carrying case. For all LCP kits, media player does not fit in the case.

listening centers

Included With All Kits On These Two Pages

AudioMVP™ Media Player with Bluetooth® Receiver, CD Player and FM Radio

- Supports Bluetooth® v2.0
- Wireless range: 33 feet
- CD player: CD, CD-R/RW
- Digital FM radio (PLL)
- 3.5mm headphone jack
- Top-loading CD player
- Programmable tracks
- Repeat 1 or ALL play
- Digital volume control
- LCD display
- Built-in telescopic antenna
- Built-in stereo speaker
- AC power adapter
- DC battery power: 8 "C" batteries (not included)

49350 . . . . MSRP $189.99 (CAD)

DURA-CORD
✓ ANTI-LICE

AudioMVP™ Bluetooth®/CD/FM Listening Center – 6 Station with 6 Primo™ Headphones

- AudioMVP™ Media player
- (6) Primo noise-reducing headphones (PRM100)
- Stereo jackbox with individual volume controls
- Compact lockable carrying case*

NEW

Smart-Trek™

AudioMVP™ [TREK] Bluetooth®/CD/FM Listening Center – 6 Station with 6 Smart-Trek™ Deluxe Headsets

DURA-CORD
✓ ANTI-LICE

- AudioMVP™ Media player
- (6) Smart-Trek noise-reducing headphones (STK1BK)
- Stereo jackbox with individual volume controls
- Compact lockable carrying case*

*Lock not included with lockable carrying cases.

AudioMVP™ PRIME
Deluxe Bluetooth®/CD/FM Listening Center – 6 Station with Laminated Box

- AudioMVP™ Media player
- (6) 49337 Deluxe headphones with volume control
- Stereo jackbox with individual volume controls
- Laminated cardboard carrying case

49914. . . . MSRP $479.99 (CAD)

DURA-CORD
✓ ANTI-LICE

AudioMVP™ ALPHA
Val-U-Pak Bluetooth®/CD/FM Listening Center – 6 Station with Compact Carrying Case

- AudioMVP™ Media player
- (6) 49337 Deluxe headphones with volume control
- Stereo jackbox with individual volume controls
- Compact lockable carrying case*

DURA-CORD
✓ ANTI-LICE

AudioMVP™ ELITE
Personal Bluetooth®/CD/FM Listening Center – 6 Station with Compact Carrying Case

- AudioMVP™ Media player
- (6) 49341 personal headphones with leatherette earpads
- Stereo jackbox with individual volume controls
- Compact lockable carrying case*

DURA-CORD
✓ ANTI-LICE

For all HMC kits, media player fits in the carrying case. For all LCP kits, media player does not fit in the case.

Listening Centers

Kits with 49349 Media Player

This classroom-proven unit is built tough for long-term use.

listening centers

AUDIO™ CHAMP

Included With All Kits Below

AudioChamp™ Top-Loading Portable Classroom CD/MP3 Player with USB

- Plays audio CD, CD-R, CD-RW and MP3 on CD-R or CD-RW
- Plays MP3 on USB flash drives via built-in USB port
- Built-in 3W amplifier and speaker
- 3.5mm and 1/4" stereo headphone jacks
- Digital pushbutton volume control
- Runs on 6V wall power adapter or
- 4 "C" batteries (batteries not included)

49349 . . . . MSRP $179.99 (CAD)

DURA-CORD ✓ ANTI-LICE

AudioChamp™ 　PRIME

- AudioChamp™ Media Player
- (6) Deluxe Primo headphones
- Stereo jackbox with individual volume controls
- Compact lockable carrying case*

DURA-CORD ✓ ANTI-LICE

AudioChamp™ 　ALPHA

- AudioChamp™ Media Player
- (6) 49337 personal headphones with volume control
- Stereo jackbox with individual volume controls
- Compact lockable carrying case*

AudioChamp™ 　ALPHA4

Same as above, except with (4) 49337 personal headphones (not shown)

DURA-CORD ✓ ANTI-LICE

AudioChamp™ 　ELITE

- AudioChamp™ Media Player
- (6) 49341 personal headphones with volume control and leatherette ear pads
- Stereo jackbox with individual volume controls
- Compact lockable carrying case*

*Lock not included with lockable carrying cases.

Hamilton Buhl
Never-Ending Learning Innovation

Smart-Trek™

AudioChamp™ | TREK

- AudioChamp™ Media Player
- (6) Smart-Trek personal headphones
- Stereo jackbox with individual volume controls
- Compact, lockable carrying case*

AUDIO™ CHAMP

new

Audio Star™

Kits with AudioStar™ Media Player

The 49348 is a unique media player that can convert all your old cassette tapes into fully-digitized MP3 format files.

Included With Kit Below

AudioStar™ Portable Media Player with CD/Cassette/MP3/USB and AM/FM Radio•

- AudioStar™ Media Player
- Programmable CD Player plus Remote Control
- USB port for MP3 files on USB memory
- Built-in tape and CD to MP3 Converter and AM/FM stereo radio
- Records from CD or radio to cassette
- (6) 3.5mm headphone inputs
- Output power: 4W RMS

49348 . . . . MSRP $179.99 (CAD)

Audio Star™

AudioStar™ | ALPHA
Media Player with Remote

- AudioStar™ Media Player
- (6) 49337 Deluxe headphones with volume control
- Stereo jackbox with individual volume controls
- Portable, lockable carrying case*

DURA-CORD™
✓ ANTI-LICE

*Lock not included with lockable carrying cases.

listening centers

Jackbox Listening Centers

Included With All Kits On These Two Pages

8-Position Jackbox with Individual Volume Controls

- 3.5mm Stereo headphone jacks
- 3.5mm and 1/4″ plugs
- 8-Position with Individual Volume Controls

49959 . . . . MSRP $45.99 (CAD)

DURA-CORD

✓ ANTI-LICE

Jackbox   ALPHA8

8-Station Stereo Listening Center with Compact Case

- (8) 49337 Deluxe headphones with volume control
- Stereo jackbox with individual volume controls
- Compact lockable carrying case*

DURA-CORD

✓ ANTI-LICE

Jackbox   PRIME8

8-Station Stereo Listening Center with Laminated Cardboard Box

- (8) 49337 Deluxe headphones with volume control
- Stereo jackbox with individual volume controls
- Laminated carrying box

49965 . . . . MSRP $289.99 (CAD)

DURA-CORD

✓ ANTI-LICE

Kids HeadStart Jackbox   OPTIMA8

Early Learner's 8-Station Listening Center with Kid-Sized Personal Headphones

- (8) personal early learner headphones
- Stereo jackbox with individual volume controls

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www.HamiltonBuhl.com

HamiltonBuhl® Provides Specialty Listening Centers for Many Unique Circumstances!

Kids HeadStart   ALPHA4
Early Learner's 4-Station Listening Center with Kid-Sized Deluxe Headphones

- 49355 CD and karaoke media player
- (4) 49337 Deluxe early learners headphones with volume control
- Stereo jackbox with individual volume controls
- Compact lockable carrying case*

DURA-CORD
✓ ANTI-LICE

4-Station Ultra-Portable CD Listening Center

Built for extended use both in and out of the classroom, this is a great, economical way to provide audio to small groups.

- 49353 CD Player
- (4) MS2L headphones with leatherette cushions
- Stereo jackbox with individual volume controls
- Nylon carrying bag for easy portability

DURA-CORD
✓ ANTI-LICE

Basic   ELITE

This 6-station CD, AM/FM Radio Listening Center includes everything you need for classroom audio. Superb functionality plus heavy-duty design along with ruggedly constructed, robust yet lightweight 49338 headphones, this listening center is ideal for today's busy classrooms.

- 49351 CD Player
- (6) 49338 Personal stereo headphones
- (1) Stereo jackbox with individual volume controls

DURA-CORD
✓ ANTI-LICE

*Lock not included with lockable carrying cases.

A Learning Aid for Better Concentration!

NOISEOFF™ Superior Noise Buffering

Because, Sometimes You Just Need Some Peace and Quiet!

Compact design, folds to fit in most shirt pockets

Noise Reduction Rating **26** **Decibels** (When used as directed)

Block out the outside world and distractions with NoiseOff™ from HamiltonBuhl!

When it comes to reading favorite books, studying, focusing on important work, or simply looking to unwind, drowning out noise and turning off the hustle and bustle can help create the ideal environment, no matter where!

NoiseOff™ is the elegant, intelligent and simple solution developed by scientists and backed by audiologists. Hear speech clearly, without distortion, while blocking out noise pollution and unwanted sounds.

Ideal for on/off situations where noise comes and goes, NoiseOff™ enables you to have conversations in noisy environments without the need to remove the unit to hear important voices and sounds.

Designed for comfort, with a superior Noise Reduction Rating (NRR) of 26 decibels, NoiseOff™ is lightweight and compact, has an adjustable headband, and comes in 3 stylish colors – black, blue or green.

Specifications:
- Noise Reduction Rating: 26dB
- Patented Technology – sound is directed into acoustic chambers that dampen and cancel harmful levels of noise.
- No Sound Distortion – chambers are tuned to produce an even reduction of sound levels across the frequency spectrum eliminating sound distortion. Very high reduction of low frequencies eliminates masking effect on speech.
- Adjustable headband to fit comfortably and perfectly to achieve optimal noise reduction.
- Compact design, folds small enough to store in shirt pocket.
- Hygienic – nothing goes in the ear, or traps heat around the ear. Foam ear cuffs sit at the outer ear canal and are impervious to mold, mildew and bacteria.

49956 Black . . . . MSRP $29.99 (CAD)

49957 Blue . . . . . MSRP $29.99 (CAD)

Green . . . . MSRP $29.99 (CAD)
NoiseOff™ Replacement Foam Kits:

Single Pack of 20 Foam Replacements
49958. . . . . MSRP $26.99 (CAD)

49958

Easily Keep Tablets and Notebooks Fully-Charged and Ready-To-Go!

10-Bay USB Charging Station

HamiltonBuhl's LTT-10 USB Charging Station charges up to 10 devices simultaneously! From classroom to boardroom, phone to tablet, our sleek design is the solution to charging them all, in one convenient location.

Specifications:

- Input: AC 100-240V 50/60Hz, Max. 2A
- Output: 8 ports x 2.1A, 2 ports x 1A
- Charge and store up to 10 digital devices simultaneously
- 5V/1A ports are compliant with the majority of mobile devices such as Apple, Samsung, Blackberry, HTC, Microsoft, etc.
- 5V/2.1A ports are compliant with the majority of tablets such as Apple, Samsung, Lenovo, etc.
- Can put cables under the cradle to keep surfaces neat
- Color subject to change

Charge 'n Store™
30-Bay Charging Station and Storage Cart

Charge 'N Store™ 30-Bay Laptop, Tablet, iPad and Chromebook Charging and Storage Cart

This durable and highly-functional unit will be an invaluable asset for years to come in classrooms and businesses where numerous devices require consistent charging and need to be ready for use.

Safely recharges and stores up to 30 Laptops, iPads or other tablets including Samsung Galaxy Tab, HP Touchpad, Blackberry Playbook and many others!

Specifications:

- Interior Shelf: 16.8"D x 15.2"W x 0.63"H
- Width of the slots (30 bay): 1.25"
- 5" locking casters – 2 casters with stoppers
- Three internal shelves with pre-installed dividers (no installation required)
- Store and charge a variety of devices at the same time
- 5 shelves on the back allow power adapter blocks to be stacked neatly behind during charging
- Power cord management on each side allows each cord to be wrapped neatly when not in use
- Safely hold/charge tablets with anti drop/shock covers
- Heavy duty locking system, 4 spare keys included
- Two UL approved 15 and 16 outlets, lighted, breaker protected, switched power strips
- Input/Output Power: 110V / 60Hz
- 95 CFM cooling fan
- Two 6 ft. power-cords, UL rated
- Operating Temperature: 5°F~149°F
- Warranty: Cart 1 Year, Electrical 1 Year

Easy-Push/Pull Handle

Security Lock

Salmonella   **Pneumoniae**   **E-Coli**

clean & healthy

Vray

Use <u>Anywhere</u> Germs Can Spread – Desks, Laptops, Pens, Tablets and More!

Kill 99.9% of Bacteria in 5-10 Seconds!

Hundreds of uses in classroom, home and office – making your environment safer!

HygenX™ Vray – Portable, UV-C Sanitizer

High Intensity Portable UV-C Sanitizer – Kills 99.9% of Bacteria!

Easily, quickly and safely clean and sanitize all objects and surfaces with HygenX™ Vray, with UV-C light that kills 99.9% of bacteria on everyday items, used and shared in today's classrooms, offices and homes.

Lightweight and cordless, Vray is designed for easy portability and features a rechargeable battery. Capable of hands-free and portable operation, Vray can be used to sanitize anywhere and anything in a classroom, home or office, even large toys, keyboards, instrument panels, touchscreens, etc.

A patented safety sensor is activated as the unit is turned on, and Vray turns off automatically when the unit is tilted 30° in either direction, to prevent exposure to skin and eyes, and ensures exposure only to the intended sanitation target. There is also an option to turn off the safe mode to allow for sanitization of odd shaped and larger objects. The HygenX™ Vray UV-C lamps are encased in shatter-safe casing, ensuring if the lamp breaks, it will break internally within the coating with no glass fragments to clean up.

49908 . . . . MSRP $399.99 (CAD)

- **Bacillus**
- **Vibrio**
- **Pseudomonas Aeruginosa**
- **E. Coli**
- **Klebsiella Pneumoniae**
- **MRSA**
- **Salmonella**
- **Staphylococcus Aureus**

Must-Have Products for Safer, Cleaner, Devices in Shared Environments

HYGENX™ Series of Cleaners…Nature's Versatile Solution!

Free of any harsh chemicals or fumes, HygenX™ series of cleaners are specially-formulated to be the safer choice for you, your students, your office, your home and the environment. HygenX™ Universal Cleaners are the ultimate, multi-purpose cleaning solutions ideal for all digital screens, grimy cell phones, monitors full of fingerprints, headphones, cameras, watches, jewelry, instrument panels, eyeglasses, flat-screen TVs, computers, laptops, personal electronics and more! Use this proprietary formula over and over, with complete confidence on any of your sensitive electronic devices, equipment or personal items.

NON TOXIC   **ALCOHOL FREE**   **NON FLAMMABLE**   **AMMONIA FREE**

Alcohol-Free • Ammonia-Free • Non-Toxic
Non-Flammable • Non-Abrasive • Streak-Free
Scratch-Free • Safe to Handle • Sparkling Clean in Seconds!

HygenX™ Universal Cleaning Kit

The handy HygenX™ Universal Travel Kit includes one 0.4 fl. oz. spray bottle cleaner and one specially-engineered 6" x 6" microfiber towel, ensuring everything you clean is left safe to handle, scratch-free, streak-free and sparkling in seconds!

HygenX™ Universal Cleaner

Use HygenX™ Universal Cleaner to keep all your digital equipment, even high-end cameras and lenses, streak-free, scratch-free, and sparkling in seconds!

100% eco friendly

All cleaners are MADE IN ★ THE ★ USA

Headphones and Headsets Cleaner

HygenX™ Headphones and Headsets Cleaner is specially formulated for all headphones, headsets and ear buds, ensuring all are clean, sanitary, and safe to handle. Use over and over with complete confidence!

- 100% Chemical-Free
- Cleans in Seconds
- Sanitary
- Safe to Handle
- No Ammonia
- No Alcohol
- Non-Abrasive
- Non-Toxic
- Non-Flammable

8 oz. Spray Bottle

Whiteboard Cleaner and Dry Eraser

HygenX™ Whiteboard Cleaner thoroughly cleans and conditions all whiteboard dry erase surfaces – ideal for environments with safety requirements. Pair with HygenX™ Whiteboard Dry Eraser for pristine clean boards without ghosting, shadows or dirt left behind. Has one felt and one sponge side!

8 oz. Spray Bottle

- No Ghosting
- No Shadowing
- Removes Stubborn Marks
- No Ammonia
- No Petroleum
- Non-Toxic
- Non-Flammable
- No Kerosene

Dry Eraser

HygenX™ Series of Disposable Sanitary Covers

The HygenX™ Series of Disposable Covers are the must-have accessory for headphones, headsets and microphones used in any shared environment. They are the safe, easy way to help halt the spread of germs and bacteria. Hypoallergenic and made with a special weave, all of these covers allow full sound quality while delivering maximum comfort and protection.

HygenX™ disposable covers come in a "tissue box" package for easy storage and distribution, or in a bulk plastic bag.

HygenX™ covers are available in "NatureWeave" – 100% eco-friendly white cotton – the sustainable, renewable, biodegradable, environmentally-friendly option!

NatureWeave™
100% Eco-Friendly

Hypoallergenic Polyester

White Hypoallergenic Polyester
Bulk Quantities of 1,000 Pairs
In Deluxe or Personal Sizes
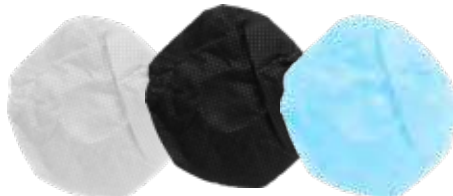
HygenX™ Disposable Sanitary Covers for Microphones

Available in eco-friendly NatureWeave™ white cotton or black polyester material, in one size fits most handheld mics.

Color	Quantity (Pair)
White Cotton	12 Boxes of 100
White Cotton	Box of 100
Black Polyester	12 Boxes of 100
Black Polyester	Box of 100

NatureWeave™

Keep Clean In Any Shared Environment!

HygenX45 Deluxe Size Disposable Ear Cup Covers

- Outer diameter: 3¾"; stretches to approx. 5"
- Hypoallergenic polyester
- Fits all over-ear/deluxe headphones and headsets
- Available In White, Black and Blue

Item #	Color	Quantity (Pair)	MSRP (CAD)
49906	White	50 pairs	$27.99
	White	12 boxes/50	
	White	1,000 pairs/Bulk	
49907	Black	50 pairs	$27.99
	Black	12 boxes/50	
	Blue	50 pairs	
	Blue	12 boxes/50	

HygenX25 Personal Size Disposable Ear Cup Covers

- Outer diameter: 2½"; stretches to approx. 4"
- Hypoallergenic polyester
- Fits all on-ear/personal headphones and headsets
- Available In White, Black and Blue

Item #	Color	Quantity (Pair)	MSRP (CAD)
49904	White	50 pairs	$26.99
	White	12 boxes/50	
	White	1,000 pairs/Bulk	
49905	Black	50 pairs	$26.99
	Black	12 boxes/50	
	Blue	50 pairs	
	Blue	12 boxes/50	

Deluxe and Personal Size NatureWeave™ Disposable Covers

- Deluxe size: 4½"
- Personal size: 2½"
- 100% Biodegradable and Sustainable
- Available In White

assistive listening
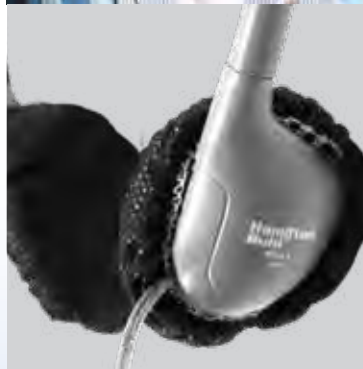
Assistive Listening System

The ALS700 Assistive Listening System breaks down hearing barriers, delivers superior value, and provides excellent sound quality. Get everyone in on the listening experience and ensure ADA compliance, at any large venue, with our system. A single transmitter can serve an unlimited number of receivers in a 150' range.

The ALS700 System includes 6 receivers, 6 earbuds, a transmitter, and carrying case. Also available: optional on-ear headphones — Model ALSH700.

Front

Back

Includes 6 sets of earbuds

ALSH700

This transmitter can serve an unlimited number of receivers in a 150' range!

49872	**Assistive Listening System Package** . .	**MSRP $699.99 (CAD)**
49915	**Additional Receiver**	**MSRP $69.99(CAD)**
49873	**Optional Personal Mono Headphone** . . .	**.MSRP $14.99 (CAD)**

Transmitter

- 1/4" Microphone input jack
- 1/4" Line input jack
- Power input: 13dBm
- Power on/off, audio input gain adjust and channel selection indicators
- Power on and channel LED indicator
- Telescoping antenna
- Power requirement: 5V DC adapter

Receiver

- Power on/off, gain, battery and channel selection indicators
- Audio output: 45mW max. to 16Ω
- 3.5mm Mono mini jack connectors for earphone output
- Integrated antenna
- Sensitivity: 10uV at 30dB S/N Ratio
- Mute Threshold: 5-8uV
- Requires 3 "AAA" batteries
- Battery life: Up to 20 hours

amp-up™

Personal UHF Voice Amplifiers

When you're speaking to a small group, school audience or at an outdoor event, you need to be clearly heard. The wireless version and the wired version Amp-Up!™ Personal UHF Wireless Voice Amplifiers are winners – with its lightweight design, long battery life and clear, crisp amplification. This unit boasts up to 25W output to cover large areas. You can also record your voice while using the amplifier.

Both Amp-Up! units have top-mounted button/dial controls, making it easy to adjust the sound volume, change to different modes and turn the unit on and off.

Amp-Up! Wireless comes with a UHF wireless head worn microphone, a carrying strap and waistband hooks for hands-free use. Using the Bluetooth technology, the PA-25W can stream audio/music content from your Bluetooth-enabled device. You can also play content from a USB/TF card or via AUX-IN.

In short, Amp-Up! packs a lot of punch with quality sound and easy-to-use controls.

NEW

Features

- Perfect amplification for classrooms, conference rooms, small gatherings and more
- Clear, crisp, loud sound
- Durable and wear-resistant ABS plastic housing
- Ergonomic, comfortable, stylish design
- Wireless head worn microphone
- Playback from any Bluetooth-enabled device, USB/TF card or via AUX-IN
- Easy-to-read LCD screen
- Carrying strap and waistband hooks
- Built-in, high capacity Lithium-Ion battery
- Up to 25W output
- 1 year warranty

Product: 1.4 lbs.; 4.8" x 3.9" x 1.9" (main unit)
Shipping: 1.7 lbs.; 10" x 8.2" x 6.3"

Easy-to-Use; Lightweight

pa systems

Perfectly-Suited For School Trips, Indoor Audiences, Outdoor Events and More!

pa systems

HamiltonBuhl® Water-Resistant PA System – with MP3 Bluetooth® and Wireless Handheld Microphones

The all-new HamiltonBuhl® VENU100W is a powerful, water-resistant (IP54) PA system perfect for outdoor/indoor venues or any other occasion a portable PA system is required. It's ABS-engineering plastic shell makes it incredibly durable, resistant to impact all in a compact design.

VENU100W's Water-Resistant (IP54) PA System will stand up to the elements. Use it outdoors without having to worry about weather damage! Sports venues, press conferences, graduation ceremonies, musical acts – any time audio needs to be amplified, VENU100W is the trusted solution. It's designed to deliver powerful audio amplification and includes the latest technologies to minimize and eliminate interference and feedback.

The unit can toggle between USB/Bluetooth mode, and has RCA AUX Line In and USB Port inputs. Its easy-glide rubber casters and telescoping handle makes it easy to transport. VENU100W is a must-have for schools, hotels, churches, and is a fantastic option for any occasion that calls for a portable, high quality, dependable PA System.

Specifications

- Water-Resistant Level: IP54
- Power Output: 75W RMS
- Speakers: 10" Woofer Speaker and 1" Tweeter
- Rechargeable Batteries: (2) 12V 7Ah
- Distortion: 1% at 10W
- Frequency Response: 50Hz-18KHz ±3dB
- Input: RCA AUX Line In; USB Port
- Recharging Time: 8-10 Hours
- Working Time: 5-7 Hours

VENU100W Includes

- (2) Handheld Wireless Microphones
- Remote Control
- AC Adapter
- (4) AA Batteries (for Microphones)
- USB Cover

WATER RESISTANT

NEW

Canvas Bag for VENU100W and VENU100A (VENU100A-CB) sold separately

Have Your Message Heard — Indoors or Outside!

HamiltonBuhl® High Quality PA System – with DVD/CD/MP3 Bluetooth® and Wireless Handheld Microphones

The VENU100A is a powerful, versatile and portable PA amplifier system with all the latest features including an ABS-engineered plastic shell making it a highly durable, impact-resistant PA system in a compact, portable design.

VENU100A is ideal for large indoor and outdoor events, minimizes and eliminates interference and feedback – delivering stable frequency –and delivers crisp, clear sound with dual UHF mic receivers for maximum versatility. Utilizes high-capacity, rechargeable internal batteries. This unit includes a Bluetooth® receiver, DVD/CD/USB/SD/Bluetooth player, telescoping handle and easy-glide rubber casters.

Specifications

- Power Output: 60W
- Speakers: 10" Woofer and 1" Tweeter
- Rechargeable Batteries: (2) 12V 7Ah
- Distortion: 1% at 10W
- Frequency Response: 80Hz-15KHz ±3dB
- Input: Wireless/Wired Mic In, Line In
- Output: Line/Video Out
- Recharging Time: 7-10 Hours
- Working Time: 5-7 Hours

VENU100A Includes

- 2 Wireless Handheld Microphones
- 1 Remote Control
- 1 AC Adapter
- (4) "AA" Batteries (for Microphones)

Front View   **Rear View**

HamiltonBuhl® Compact High Quality PA System – USB/SD and Wireless Handheld Microphone

The VENU-80A is a compact, lightweight yet powerful, extremely versatile PA system, with all the latest features to deliver quality sound and ensure successful execution of your event.

The powerful, high quality amplifier with a built-in, high-capacity, lithium rechargeable battery, will deliver up to 5 hours of continuous operation. Along with the wireless microphone, this lightweight and compact PA system will become your go-to solution for convenience, flexibility, and freedom.

Featuring SD and USB inputs, VENU-80A is an economical, compact and portable PA System, great for large indoor and outdoor events such as press conferences, sports venues, graduation ceremonies, musical productions or anywhere you need quality portable sound!

Includes

- (1) Handheld Wireless Microphone
- (1) Remote Control
- (1) AC Adapter
- (1) Shoulder Strap
- (2) AA Batteries (for Microphone)

Canvas Bag

15 Watt Megaphone with Voice Recording

- External wired microphone
- Built-in siren and voice record/playback
- 10 seconds voice recording
- Range: 500 yards
- Power: 6 "D" batteries (not included)
- Battery life: 8-10 hrs.
- Dimensions: 8" Dia x 13.5" L

49807 . . . . MSRP $79.99 (CAD)

pa systems

Spark Imagination and Creativity, Interactive Music for Fun and Learning!

tech accessories

HamiltonBuhl® Portable Roll-Up Electronic Drum Pad

Introduce children to the fun of playing an instrument with the HamiltonBuhl® Roll-Up Drum Pad! This drum pad is incredibly flexible making storage and transportation easy. With its built-in speaker and rechargeable battery, Roll-Up Drum Pad can go anywhere!

Experience the capabilities of an acoustic drum set, but with even more options and advantages. Choose from one of the 5 unique drum set tones and listen to any of the 8 demo songs included. Play MP3's through the built-in speakers, connect headphones for private listening or external speakers for larger performances.

Features

- Hi-Hat Pedal
- Kick Drum Pedal
- Built-In Rechargeable Battery
- 5 Different Drum Tones
- 8 Different Drum Demos
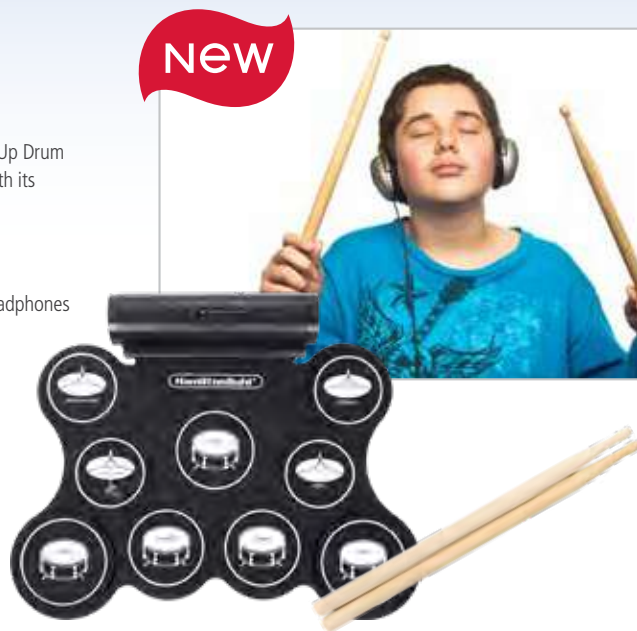
HamiltonBuhl® Full-Size, 88-Key Electronic Roll-Up Keyboard

Introduce children to the fun of playing an instrument with the HamiltonBuhl® Full Size, 88-Key Electronic Roll Up Keyboard – Ideal for ages 4 and up!

Easy to set-up, even easier to get started. Unroll the Electronic Roll-Up Keyboard on any table or desk and begin fostering an environment centered around creativity and imagination. This one keyboard can produce 127 unique tones, play 127 rhythms, and includes 15 demo songs. Quickly change between tones, rhythms or demo songs using its digital display on the built-in speaker and the rechargeable battery makes transportation effortless!

Electronic Roll-Up Keyboard looks like a real piano and is designed to inspire students to explore the world of music. Highly flexible and durable, the HamiltonBuhl® Roll-Up Keyboard is a perfect addition to any classroom. All of its features combine to create an excellent keyboard that fits into any learning environment.

Features

- Record and playback directly on Electronic Roll-Up Keyboard
- Includes Sustain Pedal
- Built-in speaker, MP3 jack and external speaker jack
- Connects to PC with USB
- 127 Tones; 127 Rhythms
- 15 Demo Songs

Specifications

- Power: DV 5V
- Built-in high quality speaker system
- Built-in Lithium-Ion battery

Snap-Scribe™

Snap-Scribe™ Stylus
The Wearable Tech Accessory!

Snap-Scribe™ is the universal, double-tipped, soft-touch stylus slaps into a bracelet around the wrist, and snaps back into a perfectly flat and rigid, comfort grip stylus, ready for use on all your touch-screen devices.

The smooth silicone soft-touch tip is ideal for taking notes, drawing, even when working on smaller details.

Built tough, Snap-Scribe™ — the most fun, wearable tech accessory — is no delicate utensil; it is not easily broken or lost, and can take knocking around. It's the perfect stylus for all your school needs and comes in 2 fun colors!

AirComfort™

Climate Tracking Device

Features

- Track and evaluate data, compare results and past readings, add custom new ones
- Learn about temperature (-13°F to 158°F) and humidity changes (0% to 100%) from day to day, and season to season
- Free app helps track and chart all the data - and Free Lesson Plans
- Make comparisons and analyze data results, includes a handy "Export to CSV" feature
- Can be used with the HamiltonBuhl® LED GrowLight to chart progress of growing plants in certain temperatures and humidity conditions

Temperature sensor

Humidity sensor

BLE 4.0 Detection range up to approx. 33 feet

Battery life up to one year

PLUS: Free Teacher Resources and Lesson Plans!

tech accesories

High-Tech Solutions for High Quality Sound!

digital cameras

Kids-Flix™ Digital Camera for Early Learners

The Kids-Flix™ Camera features all the tools a young photographer needs and is specially-designed to be kid-proof and kid-friendly. Built rugged to withstand handling by kids as young as 3 years old, Kids-Flix™ features front and back lenses, 2" LCD screen, an 8GB micro SD card included (with capacity to hold up to 32GB micro SD card), and double viewfinders, allowing kids to use both eyes when looking at their subject through the viewfinders. Kids-Flix™ Camera is also a video recorder that captures full HD quality video (1920x1080) and has a selfie-mode.

Specifications:

- Image Sensor: 1.3MP CMOS
- Display: 2.0" HD LCD Screen
- Viewing Angle: 80°
- Video Resolutions: 1920x1080 @30FPS / 1280x720 @30FPS
- Photo Resolutions: 5M (2592x1944) / 3M (2048x1536) / 1.3M (1280x720)
- Effective Focal Length: f=3.56mm
- Connection to PC or MAC: via Micro USB
- Storage (External Memory Only): Micro SD Card (Support up to 32GB)
- 4 "AA" Batteries (not included)

Amplitude Bluetooth® HD Soundbar

This soundbar, provides the latest MAXXBASS sound technology with a rich dynamic bass in a slim, attractive design. Supports Bluetooth, digital optical, USB and AUX-In. Remote control included.

There are three preset sound modes:
- Music mode: Provides deeper bass with more dynamic sound range.
- Movie mode: Provides a surround-sound effect.
- Normal mode: Less bass, more clear vocals ideal for news, sports, etc.

SuperFlix™ Webcam

The HamiltonBuhl® SuperFlix™ 720p HD Webcam with gooseneck stand features a built-in microphone and a suction-type base. The bendable gooseneck allows for positioning in almost any direction.

The internal microphone provides an excellent voice pick-up and clear recordings.

Versatile and easy-to-use, this webcam boasts 5 million pixel registration and has a 30mm to infinity focal range.

Easy Plug & Play setup – supports both Mac and PC.

www.HamiltonBuhl.com

Help Students Find Their Voice Through a Viewfinder!

ActionPro™ – 2.7K Digital Camcorder

Slim, sleek and easy-to-use, the ActionPro™ HD camcorder is perfect for any age. Utilizing image stabilization, built-in LED flashlight and face detection along with 8M CMOS Sensor, rotating 3″ IPS screen viewer and 18x digital zoom, Action Pro™ enables you to capture 2.7K (2688x1520 resolution) video footage and sharp still images!

- 2.7K Resolution (2688 x 1520)
- 30 Megapixels with 8M CMOS Sensor
- 18x Digital Zoom
- 8GB SD Card Included
- 3″ IPS Screen with 270° Rotation
- Mini USB 2.0 Port (USB cable Included)

- TV Output: Mini-HDMI (cable included)
- Can be used with external microphone (HDV17-MIC sold separately)
- Includes Rechargeable Lithium-Ion Battery
- System requirements: Windows 2000/XP/Vista/7, Mac OSX, Pentium III 800 MHz and above

ActionPro™ Microphone

Record crisp, clear sound for your video with this powerful microphone plug-in. Easy on/off, this handy mic is the ideal accessory for your ActionPro™ camcorder.

VividPro™ – 18 MP, 8x Optical/Digital Zoom Lens Digital Camera

Easily capture stunning images with VividPro™ 18 megapixel, 3x optical and 5x digital zoom digital camera with a 2.7″ preview screen! This compact, easy-to-use camera includes auto-flash, auto-focus, scene options, red eye reduction, image stabilization, and a self-timer – all to make capturing great photos easy, while helping your subjects look their best.

- 18 Megapixels with 8M CMOS Sensor
- 3x Optical Zoom and 5x Digital Zoom
- FHD (1080p) Video Resolution
- Built-in Flash
- 8GB SD Card Included

- Compatible with Windows 7, Vista and XP, Mac OSx
- Includes Rechargeable Lithium-Ion Battery
- File Formats: JPG and AVI

12 Megapixel Digital Camera

The CAMERA-DC2 is ruggedly built and easy to use with stabilization technology to help eliminate camera shakes. Features a 2.7″ color TFT LCD viewfinder, built-in flash and face detection. Use as a digital camera, camcorder and webcam, with image/video playback.

- 12 Megapixels with 5M CMOS sensor, 8x digital zoom
- HD (720p) video resolution
- Built-in flash
- 8GB SD card included (supports up to 32GB memory SD card)
- Compatible with Windows 7, Vista and XP, Mac OSx
- Includes rechargable lithium-ion battery
- File formats: JPG and AVI

Camera Explorer Kit
Kit includes (6) CAMERA-DC2 12MP cameras and nylon carrying case.

Excellent Support for Classroom Flat Panels!

EZ CRATE™

Folds flat for easy storage and portability!

Extendable easy-grip aluminum handle makes for easy mobility!

Portable EZ Crate with Extendable Handle

The EZ Crate is a durable, high-capacity rolling storage crate with a built-in handle, that is easy to roll and folds flat for easy storage.

- 33" from top of handle to bottom of crate
- Lightweight, durable plastic construction
- Two non-marring casters
- Extendable, easy-grip aluminum handle
- Weighs only 8 pounds
- Interior: 14"W x 11"D x 15"H
- Exterior: 15"W x 13"D X 15.5"H

4-in-1, Height-Adjustable Plastic Cart

The HamiltonBuhl polyethylene AV cart is the most versatile on the market. With the ability to adjust to 4 different sizes — 16", 26", 34" or 42" — it's like having 4 carts in one! With reinforced ribbing on the underside for extra strength and durability, this cart will meet your needs now and well into the future.

- Shelves are 24"W x 18"D
- Integrated 15' power strip with 3 outlets
- Reinforced ribbing on underside for strength and durability
- Top shelf has ½" lip, cord wrap and cabling conduit

49911 . . . . MSRP $234.99 (CAD)

Media Carts For Every Need –
All Heavy Gauge Steel!

All carts on this page have stationary shelves with a 150 lb. weight capacity – and make sturdy and terrific workhorses! All are UL/cUL approved and come with a 20' power cord and 4-outlet surge protector with cord winder.

A **26"-42" Adjustable Steel Cart**
- Height adjusts to: 26", 30", 34", 38", 42"
- Heavy-gauge steel – durable powdercoat finish
- Three stationary shelves: 24"W x 18"D
- Ribbed rubber mat for top shelf

B **26"-42" Adjustable Steel Cart**
with Front Pull-Out Shelf

Same as HA4226E plus 22"W x 15"D front pull-out shelf.

C **26"-42" Adjustable Steel Cart**

Same as HA4226E plus 14¼" x 14½" side pull-out shelf.

D **26"-42"Adjustable Steel Cart**
with Locking Security Cabinet
and Electric
- Height adjusts to: 26", 30", 34", 38", 42"
- Heavy-gauge steel – durable powdercoat finish
- Lockable Security Cabinet with key: 23½" x 17½" x 15½"
- Security door opening: 19¾" W x 14½" H
- Floor to top of cabinet: 20"
- Two stationary shelves: 24"W x 18"D
- Ribbed rubber mat for top shelf

E **26"-42"Adjustable Steel Cart**
with Locking Security Cabinet
and Electric, Plus Laptop Shelf

Same as HACAB4226E plus one laptop shelf: 22"W x 15"D extends out 13", 20 lbs. capacity.

F **Adjustable Steel Cart, 26"-42"**
with Locking Security Cabinet
and 2 Side Shelves

Same as HACAB4226E plus one 11½" x 12½"side pull-out shelf and one 12½" x 14½" side pull-out shelf.

carts

Floor-Rising and Tripod Screens

projector screens

HamiltonBuhl® wall and ceiling-mounted projection screens are perfect for boardroom, meeting room, classroom, business and home theater applications. They feature a durable flame retardant and mildew resistant screen material with superior reflectivity and a matte white surface, rolled into a rugged metal case, perfect for all mobile applications including computer, video, slide and overhead projection in the office, classroom and home theater.

Portable Floor-Rising Portable Screens with White Matte Fabric

HamiltonBuhl® floor-rising portable projection screens with matte white fabric are easily transportable, free-standing, and use a manual telescoping pull-up mechanism that lifts from the casing.

Retracts easily. Tilts forward in multiple increments, for angled tabletop projection. Durable, flame retardant, mildew-resistant screen material with superior reflectivity and matte white surface is easily-rolled into a rugged and lightweight black aluminum case with ergonomic handle and folding feet for stability. Height adjustable.

Portable Tripod Projection Screens

Format and height of screen can be adjusted to suit the projected image and position. Features superior matte white reflective screen fabric, 1" black border, square 1:1 format, and are available in white or black casing. Easy to set-up, take down and store, too!

High quality, 1:1 format square tripod screens with superior matte reflective screen fabric, built to withstand the rigors of daily use.

Optional Accessories:

• HamiltonBuhl 6" Universal Wall Brackets for Wall Screens
• HamiltonBuhl 14" to 26" Universal Wall Brackets for Manual Wall Screens

For a full listing of HamiltonBuhl® Projector Screens, visit www.HamiltonBuhl.com

Manual Wall and Ceiling-Mounted Screens

WS Series Manual Square 1:1 Screens

Wind-up mechanism operates like a window shade with a pull start-stop-start feature. Install on wall or ceiling.

- Superior matte white reflective screen fabric
- Durable metal casing
- Heavy duty 1" roller mechanism
- 1" black border frames image
- Flame-retardant, mildew-resistant
- Wall mount brackets available

50" x 50"
More sizes available

WS Series Manual Video Format 4:3 Screens

These attractive and practical spring-roller screens come with a metal, dove-white colored case and has a simple, slim-line design.

These screens feature durable construction with matching sturdy endcaps. Easy assembly and suitable for both wall and ceiling mounts.

HDTV 16:9 Wall-Mounted, Permanent Installation Screens

HamiltonBuhl® fixed-frame screens are the perfect compliment to any home theater, business or auditorium, thanks to the high performance matte white fabric and outstanding optical performance. Designed to re-create the ultimate cinematic experience in any environment, these screens feature a black faux-velvet trim over an anodized aluminum frame to absorb any stray projector light.

- Tensioned flat surface for smoothness
- Anodized aluminum frame with black faux-velvet fabric trim
- Flame retardant and mildew resistant
- Easy to assemble and mount to a wall
- Superior reflectivity
- Wall brackets included

projector screens

super deals

GameRush™

GameRush™ Gaming Headset for PS3 and PS4

GameRush™ headsets are custom-made for collaborative gaming. Ruggedly constructed with enhanced comfort and easy controls, for maximum operational flexibility.

PS3/PS4
3.5mm TRRS Plug or USB and 3.5mm TRS Plug

Headset Specifications:

- For PS3 and PS4 Consoles
- In-Line Volume Control
- 50mm Speaker Drivers
- Impedance: 32Ω

- Max. Input Power: 100mW
- Frequency: 50~20,000 Hz
- Sensitivity: 105dB ±4dB
- Approx. 10' Cord Length

TRIOS Air™

TriosAir™ Personal Multimedia Headset

This lightweight, on-ear, personal headset features a padded headband and steel-reinforced gooseneck microphone for maximum versatility, and superior sound quality plus soft, leatherette ear cushions.

DURA-CORD™
✓ ANTI-LICE

Headset Specifications:

- 30mm Speaker Drivers
- Frequency Response: 50-20,000 Hz
- Impedance: 32Ω
- In-Line Volume Control
- Black TRRS plug for newer devices with single jack for both audio and mic; pink (mic) and green (stereo audio) plugs for computers with separate inputs for audio and mic
- 5' Dura-Cord™
- Adjustable, Leatherette Padded Headband
- Leatherette Ear Cushions

Microphone Specifications:

- Steel-Reinforced Omnidirectional Gooseneck Mic
- Frequency Response: 50-16,000 Hz
- Impedance: 2,200Ω
- Sensitivity: -36dB ±3dB

AirComfort™ See page 75 for more!

Climate Tracking Device

Humidity sensor
Temperature sensor
BLE 4.0 Detection range up to approx. 33 feet
Battery life up to one year

- Track and evaluate data, compare results and past readings, add custom new ones
- Learn about temperature and humidity changes from day to day, and season to season
- Free app helps track and chart all the data - and Free Lesson Plans

Snap-Scribe™ See page 75 for more!

Snap-Scribe™ Stylus – The Wearable Tech Accessory!

Snap-Scribe™ is the universal, double-tipped, soft-touch, built-tough stylus that slaps into a bracelet around the wrist, and snaps back into a perfectly flat and rigid, comfort grip stylus, ready for use on all your touch-screen devices. The smooth silicone soft-touch tip is ideal for taking notes, drawing, even when working on smaller details.

Hamilton Buhl®
Never-Ending Learning Innovation

SKOOOB® by HamiltonBuhl®

**Always Tangle-Free!
No More Knots!**

Earbuds Pre-Loaded with Skooob® Tangle-Free, Protective Cord Covers

HamiltonBuhl® Earbuds preloaded with SKOOOB tangle-free, protective cord covers are the quick, easy and hip solution to the cord mess everyone has to contend with. These lightweight, durable spiraled TPU plastic covers protect cords from stretching, kinking and tangling – each time, every time! Eliminate the hassle and frustration of knotted earbuds and charging cords!

Skooob® Protective Cord Covers in Assorted Fun Colors (Ear Buds Not Included)

These spiraled, lightweight and durable TPU plastic covers protect earphone cords from stretching, kinking and tangling – each time, every time!

- Can be used on any ear phones, lightweight and easy to install
- Tangle-free, hassle-free cords rights out of your pocket or bag
- Assorted vibrant, fashionable and fun colors available
- A box contains approx. 78" of Skooob

SKB-TRQ

Easy portability and charges up to 15 tablets at one time!

Charge 'n Roll™
Portable Charging Station

Charge 'N Roll™ Portable Charging Station

Transport, store and charge up to 15 tablets – sized 9.4" x 6.67" x 0.24" or below. Up to 30 when storing mobile phones only. With custom foam interior slots and cover, charging is a snap, plugs into an outlet and powers the USB 2.0 ports with LED indicators for standby/charging mode. Whisper-quiet fan, rugged tough exterior, two easy-glide wheels and retractable pull handle. 4 secure latch locks (two of which are padlock capable).

Specifications:
- Input: 100-240V AC 50/60Hz; Output: 5V DC 2100mA – 15 ports
- Standard: GB4943.1-2011, UL/CUL60950, EN60950; Fuse: T5AL/250V AC
- Protection: Over-voltage, over-current, short circuit
- Dimensions: 22"L x 17.44"W x 9.76"D

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juke24™

JUKE24™ Portable Programmable Jukebox

Load Juke24™ with audio from CD, computer or USB flash drive, even read and record kids' favorite books.

- Enjoy up to 48 hours of content at the push of a button!
- Built tough for rugged use
- CD player and karaoke function with included talkover microphone

49354   Red/Yellow.........MSRP $169.99 (CAD)
49356   Black/Silver........MSRP $169.99 (CAD)

Do-Re-ME!™ Electric Guitar – Awesomely Fun!

The Do-Re-ME!™ Electric Guitar comes with 13 buttons, simulated strings for strumming action, a pitch blend, dual sound pads for a variety of sound effects and a super slider knob for special sound effects.

With 3 different rhythms, 4 built-in demo songs, 16 solo tracks for distortion and wah-wah guitar effects, volume and tempo controls, plus an adjustable shoulder strap. Runs on 3 "AA" batteries (not included).

Do-Re-ME!™ Portable Jumbo Floor Piano Mat

Do-Re-ME!™ is the fun, giant "Step-to-Play" floor piano mat for kids ages 4 and up! Comes with 24 keys and plays 8 different instruments: piano, saxophone, guitar and more!

With 25 built-in demo songs, rhythms for different beats, tempo, sustain, vibrato and special effects, kids will love creating, recording and playing back their tunes. Folds up to easily carry it wherever you go, or store it neatly out of sight. Runs on 3 "AA" batteries (not included) and is compact and fully portable.

Ages 4+

Print-A PUZZLE™

Print-A-Puzzle™ Blank, Pre-Perforated, Printable Puzzle Paper

Print-A-Puzzle™ puzzle paper comes in packs of 25 or 50 blank, ivory, printable, pre-perforated heavy paper with either 12 or 24 jigsaw puzzle shapes – specially-made for inkjet and multimedia printers! Simply place the paper in your printer's paper tray, select the image you want printed – anything you want – and print! No ironing, no transferring, simply print, then separate the puzzle pieces for kids to solve.

- 8.5" x 11", Pre-Perforated
- 90# Cover Paper Weight, Matte Finish, Ivory

Super Deals

SoundKey™

SoundKey™ Adapter – Connects ANY Headphone to USB!

The HamiltonBuhl® SoundKey™ quickly and easily adapts any of your headphones or headsets, whether dual plug or one TRRS plug, to a USB plug. Has three inputs: for 3.5mm TRRS, stereo audio and microphone plugs, easily allowing use of a headphone or headset with any device, computer, laptop or Chromebook without a headphone jack.

Cassette Tape to MP3 Converter

With the HA968 Portable Cassette Tape to MP3 Converter, easily convert your favorite mix tapes to MP3, without a computer! Converted from tape to MP3 format in real time, your new digital files will be compatible with PC or MAC. Simply plug in the provided earbuds into the audio output to listen to the content on the tapes. Insert a USB flash drive into the USB slot, press the "record" button and the device will automatically convert and record all of your tape content to an MP3 format on to the USB device. It's that easy!

- No Computer Needed - Record Directly To USB Flash Drive
- AC Cable (included) or 2 "AAA" batteries (not included)

HA968   USB

Portable Digital Microscope Camera

VP-SCOPE is a portable, hand-held digital microscope camera – just zoom in and take your picture. Focus on tiny objects such as electronics, insects, slides and more! The incredibly precise lens and adjustable LED lighting system ensures the best possible photos and videos.

Software Features (Windows 7/Vista/XP Only)
- Measurement functions - Length, Circumference, Area, Radius and Diameter, Angle
- Basic Image Editing and Image Comparison Function
- Aiming Aid for Observation
- Vertical and Horizontal Flip
- Webcam Function

Floor Stand for Tablet/iPad

Height-adjustable, 360° rotating and 180° tilt feature for hands-free viewing.

- For iPad™ and any 7″-10″ tablets, Height adjustable – 37″ to 57.9″
- Vertical or horizontal positioning
- Stable, weighted base

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