

# VoiceLift Pro

High Performance Wireless Microphone



**Extron**

# Classroom Sound Field Systems

## For Enhanced Educational Experiences

The primary mode of learning in the classroom is listening. Students are listening to the teacher and to each other. Researchers have estimated that students spend 45-75% of the school day engaged in listening activities. Unfortunately, the typical classroom has been shown to have acoustical characteristics, such as background noise, reverberation, and distance, that are detrimental to students with normal hearing, as well as students with a hearing loss or hearing difficulties. One of the ways to overcome these barriers to learning is to create a sound field in the classroom by using a wireless microphone, amplifier and speakers. Studies show that significant gains in student achievement and teacher effectiveness can be made by simply ensuring that the teacher can be heard.

### Student Benefits

Educators and researchers have documented measurable results in student achievement for classrooms that use voice amplification. In 2004, Leah Chelius compiled data from an elementary school in Canby, Oregon, into what is commonly called "The Trost Study", and found the following:

- First grade students scored an average of 35 percent higher on the Dynamic Indicators of Basic Early Literacy Skills – DIBELS
- The same group scored an average of 21 percent higher on the Developmental Reading Assessment – DRA
- Third grade students scored an average of 21 percent higher on Oregon's Technology Enhanced Student Achievement test.



— Trost Amplification Study, Canby School District, Canby, Oregon, 2004

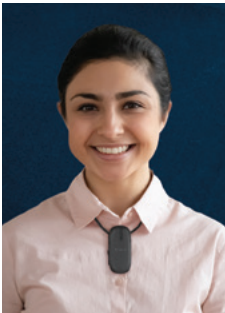
Research resulting from the MARRS project, another definitive study in this area, has also shown that improved classroom environments are a direct result of the use of classroom amplification. It found that the use of classroom amplification systems results in easier classroom management due to increased student attention, decreased discipline problems, less student distraction, and less need to repeat instructions.

### Teacher Benefits

Classroom amplification systems allow teachers to spend the day speaking at a natural level, which significantly reduces voice strain and vocal fatigue. The MARRS project also found teacher absences due to vocal strain decreased from 15 percent to an average of 2 to 3 percent in one year. In addition, it uncovered that teachers who use classroom amplification systems enjoy virtually unlimited freedom to move around the classroom while maintaining a stable acoustic environment. Wherever a teacher is located in relation to a student, even when the teacher's back is turned, students can hear clearly.

# VoiceLift Pro Microphone

## High Performance Wireless Microphone



The Extron VoiceLift® Pro Microphone employs advanced RF wireless technology for classroom voice amplification. VoiceLift Pro utilizes digital transmission and pairing in a dedicated spectrum to provide superior performance over traditional systems. Benefits include higher sound quality, increased reliability, and greater range, with reduced interference. VoiceLift Pro integrates seamlessly with any PlenumVault Direct View, PlenumVault Digital, or WallVault Digital system installation, providing a complete classroom AV and voice amplification solution.

### Enhanced Wireless Technology

The VoiceLift Pro Microphone is based on an industry standard radio frequency technology operating in a spectrum reserved exclusively for voice communications. This technology is not susceptible to environmental factors, such as windows, sunlight, and fluorescent lighting, that create problems for infrared systems.

### Increased Range

VoiceLift Pro technology operates at distances of up to two times further than infrared and much more reliably. VoiceLift Pro transmission technology does not require line of site, increasing flexibility in how and where the pendant microphone is worn as well as the room environments in which it may be used.

### Pairing Benefits

The VoiceLift Pro Microphone uses pairing technology to establish an exclusive relationship between the microphones and the receiver, preventing interference between microphones in adjacent classrooms.

### Sophisticated Signal Processing

VoiceLift Pro uses advanced digital signal processing to optimize voice intelligibility and audio quality as well as eliminate feedback.

### Plug-and-play Integration

The VoiceLift Pro Receiver includes a convenient RJ-45 connection for quick and easy integration of audio, power, and control with a PVCA 452 controller amplifier or PVS 407D switcher amplifier. In addition, the compact receiver is designed to be mounted in close proximity to the PVCA 452 or PVS 407D, within a secure Extron Classroom AV System enclosure such as a PVM, USFM, or WMK.

### Instant Alert and Remote Control

Instant Alert provides instructors a quick and discreet way to signal for assistance in the event of an emergency. Holding both volume buttons on the pendant microphone instructs an Ethernet-enabled MediaLink Plus controller or IP Link Pro control processor to notify school officials and authorities via e-mail or text message. A function button on the pendant makes it easy to control optional capabilities such as lecture capture, podcast recording and more.

# VoiceLift Pro Microphone

Easily Integrates with Extron Classroom AV Systems

**VoiceLift Pro Microphone** packages are specifically designed for integration into new or existing Extron PlenumVault Direct View, PlenumVault Digital, or WallVault Digital Systems. These complete AV systems are easy to install, use, and support, making them ideal for single display classrooms. All VLM systems include a pendant microphone, receiver, and charging station, as well as cables necessary for connecting to an Extron Classroom AV System. The VLM 3002 adds a second pendant microphone while the VLM 3002H adds a handheld microphone.



**Each standard system includes the following core components:**

- VLP 302 VoiceLift Pro Pendant Microphone
- VLR 302 VoiceLift Pro Receiver
- VLC 302 VoiceLift Pro Charging Station
- 3' CATx shielded twisted pair cable for connecting the receiver and switcher

Model	Version Description	Part Number
VLM 3001	Single Pendant VoiceLift Pro Microphone	42-255-01
VLM 3002	Two Pendant VoiceLift Pro Microphone	42-255-02
VLM 3002H	Pendant and Handheld VoiceLift Pro Microphone	42-255-03

# VoiceLift Pro Microphone System

## Complete Voice Amplification Solution

**VoiceLift Pro Microphone Systems** include all the components necessary to create a complete classroom sound field solution. VLS systems include a pendant microphone, receiver, and charging station as well as a controller amplifier, speakers, mounting hardware, and cables. The VLS 3002, VLS 3002W, and VLS 3002P add a second pendant microphone while the VLS 3002H, VLS 3002HW, and VLS 3002HP add a handheld microphone. Flexible mounting options are available to fit any room design. Wall mounting, PlenumVault mounting, and ZipClip 400 mounting allows for secure mounting and concealing of system components to a wall, in the plenum space above a suspended ceiling, or behind a flat panel display.



### Each standard system includes the following core components:

- VLP 302 VoiceLift Pro Pendant Microphone
- VLR 302 VoiceLift Pro Receiver
- VLC 302 VoiceLift Pro Charging Station
- PVCA 452 Controller Amplifier
- FF 120 plenum rated Flat Field® Speakers, pair
- WMK 160 Wall Mount Kit, PVM 220 PlenumVault Mounting Kit, or ZipClip 400
- 3' CATx shielded twisted pair cable for connecting the PVCA 452 and receiver
- 100' SPK 18 Precut Speaker Cable – Plenum

Model	Version Description	Part Number
VLS 3001	Single Pendant VoiceLift System	42-347-01
VLS 3002	Dual Pendant VoiceLift System	42-347-02
VLS 3002H	Pendant and Handheld VoiceLift System	42-347-03
VLS 3001W	Single Pendant VoiceLift System – WMK 160	42-348-01
VLS 3002W	Dual Pendant VoiceLift System – WMK 160	42-348-02
VLS 3002HW	Pendant and Handheld VoiceLift System – WMK 160	42-348-03
VLS 3001P	Single Pendant VoiceLift System – PVM 220	42-349-01
VLS 3002P	Dual Pendant VoiceLift System – PVM 220	42-349-02
VLS 3002HP	Pendant and Handheld VoiceLift System – PVM 220	42-349-03

# VoiceLift Pro Pendant

## Wireless Microphone



### VLP 302

#### VoiceLift Pro Pendant Microphone:

- Wireless technology provides higher sound quality, increased reliability, and greater range, with reduced interference
- Lightweight enclosure with adjustable lanyard for wearing around the neck, or clip for attaching to clothing
- Volume controls offer easy voice level adjustment
- Power/Mute button silences the microphone for private conversations or when not in use
- Instant Alert and remote control capabilities
- Auxiliary microphone input enables connection of optional external lavalier or headset microphone
- High capacity rechargeable battery lasts for the entire school day on a single charge

# VoiceLift Pro Components

## Receiver, Handheld Microphone and Charging Station

### VLR 302

#### VoiceLift Pro Receiver:

- Supports pairing of up to two microphones
- Status LEDs indicate power and connection status
- Two relays for triggering Instant Alert and other functions such as lecture capture and podcast recording
- RJ-45 output for connection with PVCA 452 controller amplifier or PVS 407D switcher amplifier
- Compact enclosure provides flexible mounting options



### VLH 302

#### VoiceLift Pro Handheld Microphone:

- Ideal for use as a pass around microphone for student presentations or a secondary microphone for team teaching and guest speakers
- On/Off/Mute switch
- Anti-roll collar ensures microphone will not roll off flat surfaces
- Auxiliary input provides connection for unbalanced stereo audio devices



### VLC 302

#### VoiceLift Pro Charging Station:

- Charges up to two VoiceLift Pro Pendant or Handheld Microphones simultaneously
- Mini-B USB power port
- Durable polycarbonate construction
- Protects microphones when not in use
- May be placed on desk, table, or shelf



# Education Support Team

Extron's friendly and knowledgeable Education Support team is always ready to assist with product or application questions, technical support, and system design advice. You can be confident that our highly trained staff will provide you with any resources or support needed.

## Extron support and training programs:

- ▶ Product availability status
- ▶ Design Assistance Program
- ▶ Classroom AV System Builder
- ▶ Education Technology Grant Programs
- ▶ Extended Warranty Program
- ▶ Education Contract Pricing
- ▶ Product presentation and training videos
- ▶ Online and On-Site Training and Development
- ▶ Configurable Control System Hands-on Training
- ▶ Advanced Certification
- ▶ Project and Technical Troubleshooting
- ▶ Support and Repairs Open Account

## Locations and Contact Information



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The VoiceLift Pro Microphone includes an alert notification feature which is not intended to be a life saving device, nor can it prevent emergencies. Extron is not responsible for your use of the alert notification feature or related equipment, and shall be exempt from liability for any loss, damage, injury or other consequences arising directly or indirectly from said use. In the event of misuse or malfunction of the product or any of its features, Extron shall be exempt from liability for any loss, damage, injury or other consequence arising directly or indirectly therefrom.