



POLYCOM

EX
MICROPHONE
SYSTEM



CONGRATULATIONS

Thank you for choosing the SoundStation® EX Wireless Microphone System. This system operates on a long-range, interference-free VHF high band frequency. It also utilizes a patented companding noise reduction system for excellent dynamic range (120 dB) and hiss-free performance.

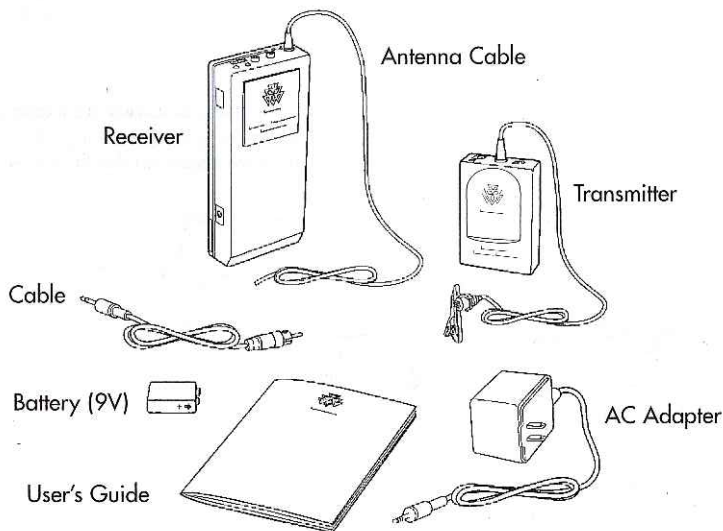
This system is designed to operate only with the SoundStation EX Audioconferencing System. Please install the SoundStation EX according to the instructions before proceeding with installation of this Wireless Microphone System.

TO ENSURE BEST PERFORMANCE

- ▼ Position lavalier microphone six inches from mouth.
- ▼ Check battery condition indicator before using.
- ▼ Fully extend both antenna wires.

CHECKLIST OF PARTS

Your Polycom SoundStation EX Wireless Microphone System includes the following items:



If any of the above parts are missing, please contact your sales representative or dealer.

SOUNDSTATION EX WIRELESS RECEIVER

The wireless receiver is ruggedly built and packed with professional features. The receiver can be powered by a 9V battery (not included) in a convenient on-board battery compartment, or by the included AC adapter. LED lights indicate low battery and received signal. Controls include an ON/OFF switch and a mute adjustment. Audio output and AC adapter connectors are 3.5mm mini-plugs. An attached softwire antenna extends from the top of the receiver.

Systems are available which operate on one of several channels in the VHF high band. Different channels must be employed for multiple systems operating in close proximity to avoid crosstalk.

Operating Instructions

Powering the Receiver

Plug the AC adapter's mini plug into the "POWER" jack (6) on top of the receiver, then plug the adapter into a 110V AC socket. Or, for battery operation, slide the receiver's battery cover to the right and place a fresh 9V battery in the battery compartment (1), observing the correct polarity. Although a fresh alkaline battery can last up to 8 hours in the receiver, in order to ensure optimum performance it is recommended that the receiver battery be replaced after 5 hours of use. Turn the receiver on by sliding the ON/OFF switch (7) to the left. The LOW BATTERY LED (8) will flash briefly, indicating adequate battery strength. If the LOW BATTERY LED (8) lights during use, replace the battery.

Antenna

When the system is in use, the receiver's antenna (2) should be fully extended to obtain maximum range.

Mute Adjustment

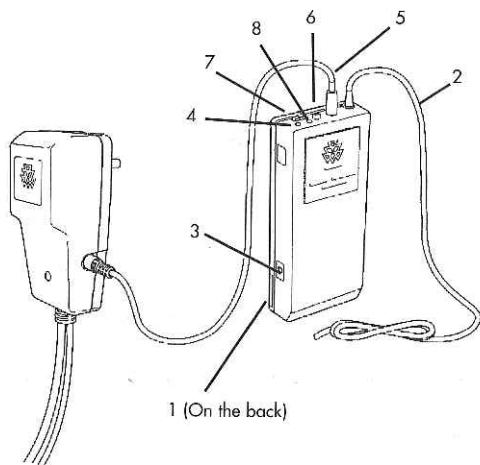
In normal operation, the mute control (3) should be set fully counter-clockwise to the factory preset RF level. However, in areas of high RF activity, the mute may need to be adjusted. If, with transmitter off, the receiver's TX LED (4) flickers or stays on, the mute control (3) should be turned clockwise until the TX LED (4) extinguishes.

When the mute is properly adjusted, the TX LED will light only when the system transmitter is turned on.

(Note: Turning the mute control too far clockwise will yield a quieter mute function, but reduce your operating range.)

Connecting Audio Output

Using the audio cord provided, connect the 3.5 mm mini plug to the receiver output jack (5), and connect the RCA plug to the AUX connector on the SoundStation EX Wall Module.



SOUNDSTATION EX WIRELESS LAVALIER TRANSMITTER

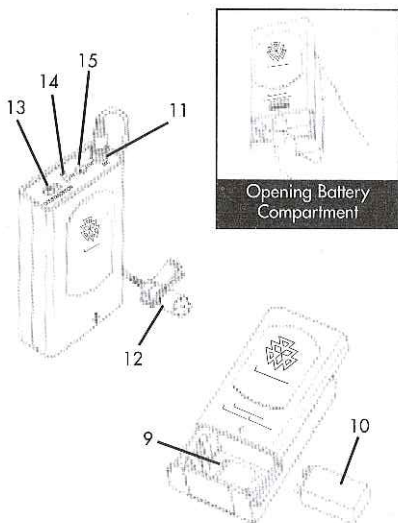
The Soundstation EX Wireless Lavalier Transmitter is a rugged compact bodypack with a detachable lavalier microphone, and includes these special features:

- ▼ OFF/STANDBY/ON switch allows convenient audio muting with the transmitter "ON"
- ▼ Low battery LED indicator flashes once for unit "ON"; lights steady for low battery alert
- ▼ Locking 3.5mm mini-jack provides secure connection for removable microphone
- ▼ Easily accessible input level adjust control for optimum sound
- ▼ Easy-access battery compartment for quick pop-in battery replacement. Uses standard 9V alkaline battery.

Operating Instructions

1. Snap open the BATTERY COMPARTMENT (9) and insert a fresh 9V BATTERY (10), observing the correct polarity. Close the compartment.
2. The transmitter is provided with a 3.5 mm LOCKING JACK (11) for connecting the microphone. Plug in the LAVALIER/LAPEL (12), as supplied. To secure the connection, turn the metal slip ring on the plug clockwise to thread it on to the jack. To unplug, reverse the process. Slip the transmitter into a pocket or clip on to your clothes. To use the lavalier mic, attach it at chest level. Do not place too close to the mouth – a distance of about six inches usually works best. *(Note: The lavalier mic wire is also the transmit antenna, and rolling up or shortening the wire may reduce the effective operating range. Extend the wire fully during use, and keep it as straight as possible.)*
3. Turn on the transmitter by sliding the OFF/STANDBY/ON SWITCH (13) to the STANDBY position (transmitter on, audio muted) or the ON position (transmitter and audio both on). The BATTERY INDICATOR LED (14) will give a single quick flash, indicating usable battery strength. In the case of a dead or low battery, the LED either will not go on at all or will stay on continuously, indicating that the battery should be replaced with a fresh one.
4. The microphone is now ready to use. The TX LED INDICATOR (4) on the receiver should now be lit, indicating a received signal from the transmitter. When ready to speak, slide the transmitter switch to the ON position and adjust the volume of the receiver as per instructions on page 2. Re-position the microphone farther from the source or adjust the AUDIO INPUT LEVEL CONTROL (15) if the monitored volume is too loud or distorted after adjusting the receiver as per instructions on page 2.

(Note: Microphone elements can easily be destroyed by the buildup of salts and minerals from perspiration and saliva. It is good practice to put a windscreen on the mic element at all times to protect it.)



SOUNDSTATION EX WIRELESS MICROPHONE SYSTEM SPECIFICATIONS

Overall System Performance

Frequency Response:	200 - 3400 Hz
Dynamic Range:	120 dB (max SPL to A-weighted noise level)
Harmonic Distortion:	< 0.3% <Nonc>
RF Carrier Frequency:	One of several available channels in the VHF high band
Frequency Stability:	± .005%, crystal controlled
Modulation:	FM/ ±15 KHz
Maximum Operating Range:	100 feet

Wireless VHF Receiver

Controls:	Mute Adjust
Audio output:	600 ohm unbalanced
Connectors:	Audio output; RCA jack. Power input; 3.5 mm mini jack
Indicators:	Low battery and transmitter "TX"
Mute:	Externally adjustable; 1 μ V present minimum
Unwanted Signal Rejection:	60 dB image and spurious
Power Requirements:	Single 9V alkaline, internal, or 9V DC power adapter

Wireless Lavalier Transmitter

Audio Inputs:	3.5mm mono locking jack for connecting to omni or unidirectional lavalier mic
Controls:	OFF/STANDBY/ON switch, input level adjust
LED Indicator:	Unit "ON" (single flash), Low Battery Alert (steady)
RF Power Out:	50mW (Max. allowed by FCC)
Harmonic & Spurious Emissions:	>40dB
Battery:	9V Alkaline
Battery Life:	Up to 15 hours

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