

TeachLogic

FOR SOUND LEARNING

www.teachlogic.com





TeachLogic has been manufacturing innovative infrared sound-field systems for small and medium size listening environments since 1992. We have specialized in developing infrared wireless microphone based systems for classrooms.

Infrared technology allows us to operate hundreds of wireless systems in a common environment, by simply not allowing light to pass through the walls of one classroom to the next. The voice is a teacher's most powerful teaching tool, but it also needs to be protected. Properly using a classroom sound-field system allows the teacher to speak more comfortably and be heard more precisely, no matter where the teacher is located.

TeachLogic has developed infrared technology to a very high level and we guarantee constant connectivity. Our Digital Feedback Guard (DFG) is a complete system approach to eliminating acoustical feedback in sound-field systems.



MAXIM III

The Maxim III is a 2-channel receiver/amplifier/mixer with energy saving "sleep" mode, 50-watt Digital Hybrid Class D Amplifier, remote teacher security alert, teacher priority with instant attenuation of the line levels via Sapphire pendant, four auxiliary inputs for Computers, DVD, Aux or iPod/MP3 player, switchable computer anti-hum circuit on computer input, output for assistive listening system, page pass-through (even if AC power isn't present), 5-band equalizer, RS-232 wall panel control of the line inputs, Fire Alarm mute connection, Digital Feedback Guard (DFG) and output for recording the day's lesson.



actual size
IRT-60



Just the little mic you've been looking for...

The Sapphire's light weight, small size, and optimum performance make it the ideal microphone to complete any of our infrared classroom system packages.

A CEILING SENSOR AND CHOICE OF SPEAKERS COMPLETE THE SYSTEM PACKAGE

Speakers All available in quantities of 2 or 4



ICS-55 Infrared Ceiling Dome Sensor

1600 sq. ft. infrared connection guarantee



SP-628
6 1/2" 2-way Plenum Rated Ceiling Speakers



SP-2000
Wall Speakers



SP-628L
Lay-In Speakers



SPECTRUM III

The Spectrum III has the same great features as the Maxim III but with 100 watts (4 x 25 watt amps) of power for large rooms or rooms with high ambient sounds levels. Create an exceptional intelligible learning environment over a large area with up to eight (8) speakers.



FORUM 232

The Forum 232 is just the answer to the need for a low cost sound field solution with an abundance of key features. It includes two infrared mic channels, two aux line inputs for computers and DVD/iPod units and a 3-band eq. The built in Class D Digital power amp with energy saving "sleep" mode, delivers 50 watts of power to a maximum of 4 speakers. Security Alert Output, RS-232 wall panel control of line inputs, teacher priority with instant attenuation of line levels via Sapphire pendant, Digital Feedback Guard (DFG) and switchable computer anti-hum circuit on computer input. It has separate outputs for both assistive listening and lesson capture. The system includes your choice of microphone/transmitters, drop-in charger and speaker package.

QUANTUM II

The Quantum II is a completely self-contained sound system for portable use or permanent installation. Two wireless microphones can be used simultaneously, one for the teacher and a handheld for student participation. Quantum II has a powerful class D Digital Hybrid amplifier with energy saving "sleep" mode, digital equalization, digital limiting and a full range dynamic speaker for complete coverage of a typical classroom. It can be complemented by a companion speaker for improved sound distribution and increase total output to 50 watts. The system includes your choice of microphone/transmitters and drop-in charger.



Unpowered Pre-Amp Systems

The VoiceLink systems are infrared wireless microphone systems that can be integrated into any existing sound system whether it is in a classroom, conference room, or even a judicial courtroom. Add a wireless microphone system; no messy cables and you have total freedom of movement throughout the room. Excellent vocal quality and reliable connectivity in excess of 30 foot radius to a central sensor. Interference free transmission and with 100% program material security (infrared will not transmit through walls). Each of these systems is great for recording into an active board for internet blogs. Wireless microphone/transmitter (of your choice) and battery charger included with each system.



VOICELINK I System

A great sounding single channel receiver for use with one infrared wireless microphone and provides one auxiliary input for a line level program input. The output is line level; balanced Phoenix 3 pin connector or unbalanced RCA connectors. An excellent addition to an existing sound system to extend its use for voice reinforcement. Compact size, wall or shelf mountable, low in cost, and works with all standard TeachLogic high quality infrared transmitters.



VOICELINK III System

A two-channel infrared wireless microphone receiver for the simultaneous use of two wireless microphones. One line level input for Computer, DVD or other line level device with front and rear panel input connections. One ALS (Assistive Listening System) or Lesson Capture, front panel output. The line level output, balanced (phoenix 3 pin) or unbalanced (1/4 phone), is connected to an existing sound system to extend its use for voice reinforcement. An ideal expansion to any sound system; use a wireless microphone to reinforce the presenter's voice and another for audience interactive participation.

A perfect low-cost single channel powered solution



VOICELINK^{Plus} System

A complete infrared wireless microphone system with power amplifier and speakers. The wireless microphone provides complete hands free mobility while the auxiliary input amplifies another media source i.e. iPod™ or computer audio. The VoiceLink Plus is the perfect audio augment to the interactive white board; the built in 20 watt power amp can power 2 or 4 ceiling/wall mount speakers.

MATRIX SYSTEM

The Matrix is our answer to the need for a low cost, plenum application, high performance sound-field system that allows for remote adjustment of inputs via RS-232 wall panel controller. And easy wireless connection of a **Bluetooth** device (such as a Smartphone). A powerful 50 watt Digital Hybrid Class D amplifier, with bass/treble equalization, infrared receivers provide multi-media integration with even distribution of sound for all audio in the classroom. It has a line level output for Lesson Capture or ALS (Assistive Listening System).



Small size makes this amplifier ideal for installation in a cabinet or plenum ceiling vault.
Measures: 7 1/2" x 4 1/4" x 1 1/2"



Back Panel

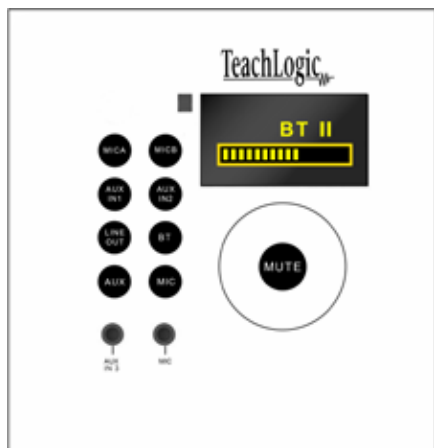


Features:

- Two infrared wireless Microphone receivers
- 50 watt digital Power Amplifier: 25 watts ea. channel
- Two stereo auxiliary inputs for DVD & Computer/Aux
- Digital Feedback Guard (DFG)
- Security Alert Output
- Page Mute
- RS-232 wall panel controls
- Remote control of line inputs via Sapphire Transmitter
- Remote Teacher Priority feature (over line inputs) via Sapphire Transmitter
- Bass/Treble digital equalizer ± 12 dB
- Digital Limiting
- Two auxiliary line inputs on amplifier (3.5mm)
- One auxiliary line input on wall panel (3.5mm)
- One line output for Lesson Capture or ALS (3.5mm)
- Wired wall remote control panel



Front Panel



Wall mounted remote control panel (wired)

This panel allows not only for easy wireless connection of **Bluetooth device** with the classroom sound system, but also for remote adjustment of inputs via the RS-232 wall panel controller. The wall controller comes pre programmed and does not require any additional code setup.



Pendant Wireless
Microphone/Transmitter
IRT-60

Sapphire



The Sapphire's aesthetic design and ultra light weight (1.4 oz.) makes it the most pleasing and comfortable infrared microphone / transmitter available. The microphone capsule achieves a very high amount of gain before feedback, and provides an extremely natural reproduction of the teacher/presenter. The strategic array of IR emitting diodes assures wireless connectivity throughout the room. The mute button allows for private conversation with a touch, and the auxiliary input provides the opportunity to plug in an iPod or MP3 player for wireless transmission. It features a Micro USB charging port, and a rechargeable Lithium battery that is covered by a 2 year warranty. A breakaway lanyard is also included.

Additional features include: remote Security Alert, teacher priority with instant attenuation of the line levels. Designed to work with our Matrix, Forum 232, Maxim III and Spectrum III amplifiers only.



Handheld Wireless
Microphone/Transmitter
IRH-35

Our handheld microphone/transmitter has all the performance and feel of a concert quality unit, and is primarily used by students for interactive class participation. It is also excellent for use in critical boardroom and house of worship facilities. The unidirectional condenser microphone reproduces superb vocal quality, enormous gain before feedback and very low handling noise. The ring of emitting diodes located at the base and mid body of the microphone assure constant infrared connectivity throughout the room.

WC-400

Optional Wall-Mount cabinet for convenient installation of:
Forum 232, Maxim III, Spectrum III or VoiceLink III.
Formally labeled WM-400



Drop-In Charger BRC-60

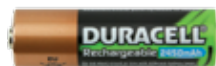
Stylish new design that conveniently charges one IRH-35 handheld transmitter and up to two Sapphires simultaneously. The precision circuit design assures optimum charging rate and automatic battery protection. LED indicators note the charging process and battery status.

Plug-in power supply BRC-15

Plugs into Sapphire for wall or USB charging.



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The IRH-35 handheld IR transmitter includes (2) Duracell Nickel Metal Hydride rechargeable batteries. This is Duracell's highest output (2450mAh) rechargeable AA. These batteries come with a 2 year warranty.



All IR Components feature a
5 Year Limited Warrant