

VOICE ENHANCEMENT SYSTEM



NEW!

Bogen ENHANCER Voice Enhancement System

The **Bogen Enhancer** is a dual-channel, Infrared (IR) Wireless Microphone System designed to enhance a presenter's voice in all areas of a room. IR Technology eliminates the interference and cross-talk from adjacent rooms that occurs in FM-based wireless products.

8 Pre-packaged systems provide effective voice reinforcement solutions for the most challenging room environments.

Basic Enhancer System Features:

- 1 Dual-channel receiver
- 2 Infrared sensors
- 1 Lavalier microphone
- 1 Headset microphone
- 1 Body-pack wireless transmitter

Basic Features:

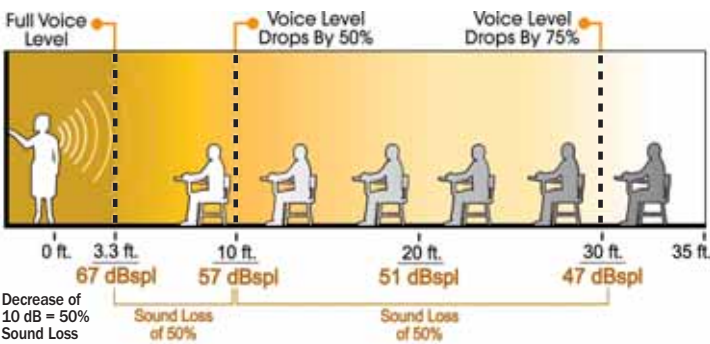
- Simultaneous dual-channel operation
- Separate volume controls for each channel
- Body-pack transmitter with belt clip and lanyard
- Two wide-angle IR sensors allow for complete coverage of most rooms
- Wide dispersion emitter array in transmitters
- Unbalanced mixed audio output
- Handheld wireless mic transmitter available

Accessories

See Page 81 for List

DISTRIBUTE SOUND EVENLY THROUGHOUT A ROOM

Typical room in which listeners sitting in the rear of the room hear only 25% of what the presenter says.



With Bogen Enhancer, individuals sitting at the back of the room can hear just as well as those who are sitting up front.

ESYS1



ESYS1: 1 Basic Enhancer System, 1 GS35 Amplifier, 4 S86T725PG8WVR Ceiling Speakers, 4 TB8 Tile Bridges, 4 RE84 Ceiling Enclosures



ESYS1M

w/ Wireless Handheld Microphone

ESYS1M: Also includes Handheld Microphone

ESYS2



ESYS2: 1 Basic Enhancer System, 1 GS60 Amplifier, 4 FG15W Surface-Mounted Speakers



ESYS2M

w/ Wireless Handheld Microphone

ESYS2M: Also includes Handheld Microphone

ESYS3



ESYS3: 1 Basic Enhancer System, 1 GS35 Amplifier, 4 CSD2X2 Ceiling Tile Speakers



ESYS3M

w/ Wireless Handheld Microphone

ESYS3M: Also includes Handheld Microphone

ESYS4



ESYS4: 1 Basic Enhancer System, 1 GS60 Amplifier, 4 HFCS1 Ceiling Speakers, 4 TBCR Tile Bridges



ESYS4M

w/ Wireless Handheld Microphone

ESYS4M: Also includes Handheld Microphone

Targeted Communication

The PI35A and SI35A allow background music to play, without interruption, in selected areas while one or more rooms communicate directly with the main unit. This feature is useful in a number of applications, including:

Schools: A live news broadcast can be played over the system into all rooms. If an administrator needs a student, the call for the student can be placed directly into the classroom the student is in, without interrupting the live news broadcast to all the other classrooms.

Medical Center: If a nurse at the main desk needs to communicate immediately with one of the physicians, the nurse can call directly into the exam room where the physician is without interrupting the background music being played in all patient areas. This keeps the physician's demand and schedule private, so patients do not become concerned about the length of their wait before they get to see the physician.

Connects To Existing Phone Systems

With the WMT1A Line Matching Transformer, a connection can be made to the page port from the phone system. This allows an All-Call/Emergency notice to be made using the in-house phone system.

INTERCOMS



SI35A

Desktop Intercoms



PI35A

The **SI35A** and **PI35A** High-Powered Desktop Control Centers are dual-channel intercom and program distribution systems for applications with numerous locations, requiring maximum intelligibility of voice announcements and other sources.

Product Features:

- Communicate w/ 25 to 75 rooms or remote locations, using up to three 25-room capacity room selector panels (PI35A – 25-room maximum; SI35A – expand to 75-room maximum)
- Distribute program material from microphones, tape player/tuner or other background music sources, tone signals, and emergency announcements to all or select locations
- 5 inputs: 2- MIC (1 built-in console mic), 1- AUX (Hi-Z) unbalanced, 1- TEL, 1- 25V booster amplifier
- Built-in 20W intercom amplifier and 35W program amplifier permit instant communication w/ any location w/o interrupting the distribution of program to other locations
- Built-in panel speaker to monitor program or listen to a station via intercom channel
- Instant Emergency/All-Call paging w/ a single push button
- Push-to-talk switch to communicate with selected intercom stations
- Station call-in annunciated with tone and illuminated light
- Time signal tone activated from external contact closure
- Telephone paging capabilities
- 25V balanced line output to drive a distributed speaker system
- Remote stations can be wall- or ceiling-mounted loudspeakers or horn-type loudspeaker
- Call-in switch can be used where call initiation is desired
- Privacy beep generation available to prevent eavesdropping
- Easy to understand and operate; instructions for intercom, program, and emergency page permanently printed on front panel
- External booster amplifier can be used when more than 35W is required
- Color-coded controls for easy operation
- 3-conductor, shielded 18, 20, or 22 AWG wire is recommended
- Sturdy desktop cabinet w/ simulated oak finish

Accessories



Connector Kits:
2518 – 18-gauge
2520 – 20-gauge
2522 – 22-gauge

TL156
Insertion Tool
for connector kits



CA10A
Call-in Switch,
2-position

CA11A
Call Privacy Switch,
3-position

CA17
Call-in Switch,
push-button
(use w/SCR25A)



CR100A
Tape Player
& AM/FM Tuner



MBS1000A
Desktop Paging
Microphone

DDU250
Dynamic Desktop
Microphone



SBA225
25-Station Selector
Panel for SI35A



SCR25A
Call-in Module
for SBA225



TWK351
2-Wire Call-In
Adapter Kit



WMT1A
Line-Matching
Transformer

Power Requirements:	120V AC
Dimensions:	PI35A - 20-1/2" W x 8-1/2" H x 11" D SI35A - 20-1/2" W x 12" H x 11" D
Product Weight:	PI35A - 24 lb.; SI35A - 29 lb.

INTERCOMS



CM206M, CM211M, CM200X

Bogen's **CM-Series** of intercoms are ideal for interoffice communications. They provide a separate, direct communications link to other individuals in an organization. Systems can be configured as all-master systems which allow access to any station in the system, or as master/remote systems in which remote stations can be restricted to communicating only with specific stations.

Product Features:

- 6- or 11-station capacity
- All-master system or any combination of masters and remotes
- Multiple simultaneous conversations – up to 5 in an 11-station system
- Selective electronic tone calling (*masters only*)
- Masters can call any station in system
- Remote stations can only call an associated master station
- Privacy button on stations to prevent eavesdropping
- Conference calling between stations
- Push-to-talk operation
- Talk-lock button for dictation (*masters only*)
- Station busy indicator (*masters only*)
- Volume controls for speech level and annunciator tone
- Easy installation using supplied junction boxes
- Desk or wall-mountable
- One power supply runs entire system

Power Requirements:	12V DC @ 1A (<i>not included</i>)
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Model	Station Type	Station Capacity	Dimensions	Product Weight
CM206M	Master	Up to 6 stations	10" W x 2-1/8" H x 6" D	2 lb.
CM211M	Master	Up to 11 stations	10" W x 2-1/8" H x 6" D	2 lb.
CM200X	Remote	As needed	6-3/4" W x 2-1/4" H x 6" D	1 lb.

Three System Setups

The CM-Series provides intercom functionality for small offices, warehouses, and small stores that do not have an internal phone system. There are three basic setups available:

1) All-Master Stations: Every station in the system is a master station. Any station can call any other station.

2) Single-Master System: The system only has one master station. All remote stations can only call the master station. The master station can call any of the remote stations.

3) Mixed Master/Remote System: The system has more than one master station. The master stations can call any of the other master stations and any of the remote stations associated/wired to it. Remote stations can only call the master station associated/wired to it.

Hands-Free Communication

When a person at a master station calls a remote station, the person at the remote station can speak and listen hands-free. When a person at a remote station calls an associated master station, the person at the master station can speak and listen hands-free. The master stations also have a talk-lock button for dictation to a remote station, or to monitor a quiet or critical area.

Accessories

RF12A
12V DC Power Supply



INTERPHONES



Interphones TP6AP, TP12AP

The **TP-Series** of interphones are an ideal way of providing simple telecommunications between different areas in a facility. Simple to install and operate, these phones provide system-wide paging as well as telephonic communications.

Product Features:

- 6- or 12-station capacity
- Telephonic communication between stations
- Common talk path with selective ringing
- Electronic tone annunciation
- Simple installation and operation
- 600-ohm output
- Built-in all-station paging
- Paging can be defeated at individual stations
- Conference call capability
- Ringer volume control at each station
- Connections for external loudspeaker for high volume paging, overhead paging, or background music
- One power supply runs entire system

Power Requirements:	24V DC @ 1A (<i>not included</i>)
Dimensions:	4-3/8" W x 8-1/2" H x 2-1/2" D
Product Weight:	2 lb. each

Built-In Paging System

If a small paging system is more desirable than selective handset calling, an external loudspeaker may be connected at each station. Pages to an external loudspeaker are made via handset simply by pressing a button and then making the desired page into the handset.

Accessories



IH8A
Horn Loudspeaker,
8-ohm, 15W



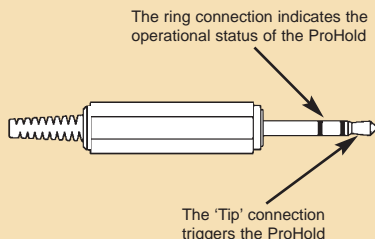
RF24A
24V DC Power
Supply

Trigger Input

The ProHold family of products has uses beyond supplying music to hold buses. We include a simple stereo mini jack that provides a dual-function trigger input that gives these units added flexibility. Trigger the one-time play with a momentary contact closure to have the ProHold play an entire message one time and stop. Additional contact closures that happen during the message play are ignored. This is a great feature for museums, promotional displays, and security announcements.

The ProHold can also be triggered then stopped during message play. By closing the trigger contacts and holding them closed for more than 5 seconds, the ProHold will stop the message as soon as the contacts are opened. The next trigger will start the message from the beginning. This makes the ProHold ideal for message and information lines like movie timetables since the message stops as soon as the caller hangs up. By using the TAMB telephone interface module to interface the ProHold to analog ring-up lines, you can create a simple and effective telephone info line.

The ProHold also provides a status indicator line from the trigger connector that provides feedback to external equipment as to whether it is in the idle mode or playing a message.



1-Watt Output

All ProHold models provide a 1-watt output. This connection will power any 8-ohm speaker with up to 1-watt of audio power. In many applications, this is plenty of power for an announcement to be heard. By using the 1-watt output and the trigger input, a self-contained announcement system for applications like the end of moving walk ways (continuous play messages) or museum displays (push to play) can be created.

Accessories

TAMB
Telephone Access
Module



DIGITAL MUSIC-ON-HOLD SYSTEM



ProHold™ Series

**Pro4, Pro8,
Pro12, Pro16**

Bogen's ProHold products are digital music-on-hold (MOH) announcers that turn caller's on-hold waiting time into productive information and selling time. This digital system assures simple, reliable, and high-quality playback of messages/music.

Product Features:

- Provides music- or message-on-hold to callers placed on hold
- 4-, 8-, 12-, and 16-minute message storage length models
- Superior audio quality
- Easy for users to operate, eliminates call-backs to installation sites
- Specialized audio editing algorithm creates seamless audio, eliminating dead air
- Simple one-step downloading from tape to digital memory when a tape is inserted
- Automatically determines audio start and stop points from inserted tape
- High-reliability digital playback circuitry – no maintenance necessary
- 64 KBPS uncompressed, toll-quality, sampling rate
- 600-ohm transformer-balanced output and 1W into 8-ohm output
- Audio output can be connected to a loudspeaker
- Trigger input to control message play externally
- Trigger jack can signal other equipment when message is played
- Automatically reloads message on tape after power interruption
- Changing messages is as easy as changing tapes so messages can be changed as frequently as needed
- Built-in tape drive only used while downloading (*prevents constant tape use*)
- Tape is stored in unit so it doesn't get lost
- Comes with generic on-hold cassette tape
- Speaker, volume, and trigger controls
- Self-diagnostic test
- Monitor speaker
- High-quality cassette mechanism w/spring-loaded tape door and self-adjusting tape guide for correct tape orientation
- Wall-mounting template and hardware included

ProHold Model	Message Storage Length
Pro4	4 minutes
Pro8	8 minutes
Pro12	12 minutes
Pro16	16 minutes

Power Requirements:	12V AC/DC@800 mA from 120V AC <i>(Power Supply included)</i>
Dimensions:	9-5/8" W x 6-3/4" H x 3-3/8" D
Product Weight:	4 lb. each

TELECONFERENCE PHONE

Teleconferencing Hub V•HUB

The V•HUB Conference Phone is a full-duplex, simultaneous, two-way communication conference phone that provides clean, clear sound for all of your teleconferencing needs. With three microphones, an easy-to-read recessed LCD display, 10 number speed dial, special calling functions, and a simple three-step setup process, the V•Hub Conference Phone is everything you could ask for in a conference phone... and more.

Product Features:

- Full-duplex operation
- DSP-based echo cancellation
- High-quality speaker
- LCD display screen
- 3 LED display lights for special features
- 10 Number speed dial memory
- 3 Microphones
- Mute button
- Flash button for special calling functions
- Excellent voice quality
- Easy installation
- Connection cables included
- Meets U.S. and Canadian requirements

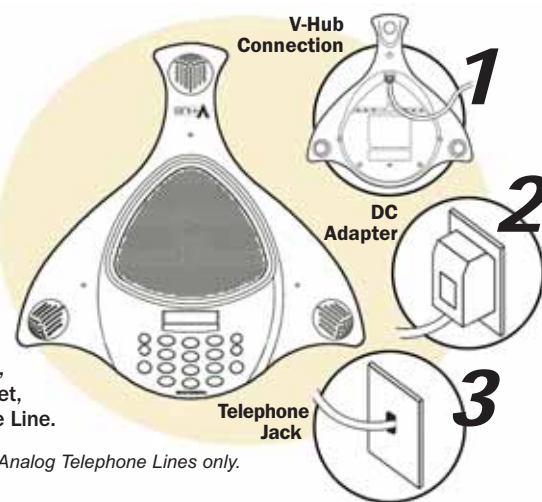


Dimensions:	12-1/4" W x 2-1/2" H x 12-3/4" D
Product Weight:	2 lb.



Easy Setup

Make 3 Simple Connections:
to the V•Hub Unit,
the Electrical Outlet,
and The Telephone Line.



NOTE: For use with Analog Telephone Lines only.

LECTERNS



MLA40
(Assembly Required)

MLA40T

Free-Standing Lectern MLA40

Tabletop Lectern MLA40T

Bogen's Lecterns are self-powered, self-contained systems that utilize high-quality speaker array design to provide exceptional performance with superior horizontal dispersion. The MLA40 is a complete, free-standing lectern that can also be configured for tabletop use. The MLA40T is a tabletop version of the lectern.

Product Features:

- 2 Models: Free-standing (six 8" speakers) and tabletop (two 8" speakers)
- 40-watt built-in amplifier
- 3 Inputs: 2 MIC (Lo-Z) and 1 AUX (Hi-Z) inputs
- Wide dispersion & wide frequency response
- Speaker jack for connection to external speakers
- Built-in speakers may be disabled
- Tape recorder output jack
- Shock-mounted, high-quality hyper-cardioid condenser gooseneck microphone for extra feedback rejection (18-1/4" L x 3/4" dia. base)
- Independent phantom power for condenser microphone
- Speech filter and Automatic Level Control for enhanced intelligibility
- Separate volume control for each input channel plus bass & treble controls
- Recessed brass reading lamp with on/off switch
- 3/4" vinyl laminated wood construction throughout
- Large, solid, smooth-rolling casters on self-standing version for mobility
- Simulated medium oak finish

Dimensions:	MLA40 - 21-5/8" W x 48" H x 19-1/2" D MLA40T - 21-5/8" W x 17" H x 19-1/2" D
Shipping Weight:	MLA40 - 125 lb.; MLA40T - 58 lb.