# VOICE ENHANCEMENT SYSTEM

## 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. *Shipping Weight: 7 lb.*

### Basic Enhancer System Features:

- 1 Dual-channel receiver
- 2 Infrared sensors
- 1 Body-pack microphone
- 1 Lavaliere microphone
- 1 Headset microphone
- 1 Body-pack lanyard
- 1 Body-pack wireless transmitter
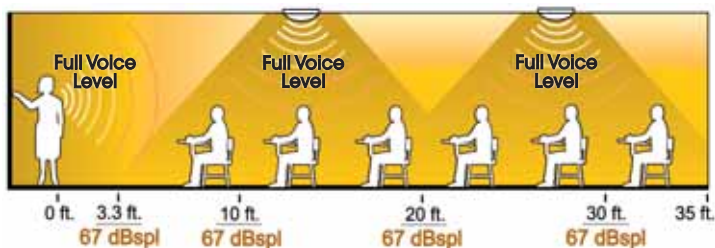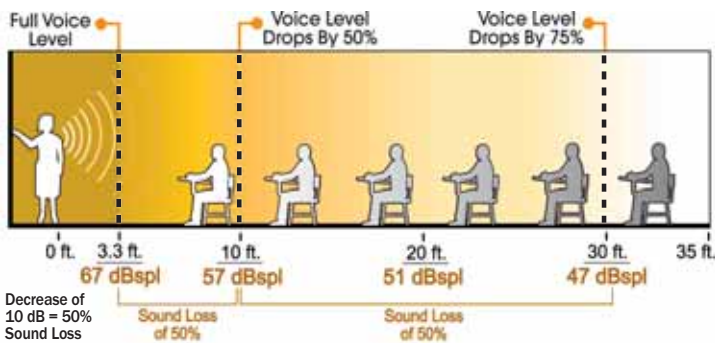- 1 External Power Supply

### 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 (with Plenum-rated cable), expandable to 4 sensors
- Wide-dispersion emitter array in transmitters
- Unbalanced mixed audio output
- Handheld wireless mic transmitter available

**Accessories**
*See Chart on Page 81*

## 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.**



Full Voice Level | Voice Level Drops By 50% | Voice Level Drops By 75%

| 0 ft. | 3.3 ft. | 10 ft. | 20 ft. | 30 ft. | 35 ft. |
| 67 dBspl | 57 dBspl | 51 dBspl | 47 dBspl |

Decrease of 10 dB = 50% Sound Loss

Sound Loss of 50%    Sound Loss of 50%



Full Voice Level | Full Voice Level | Full Voice Level

| 0 ft. | 3.3 ft. | 10 ft. | 20 ft. | 30 ft. | 35 ft. |
| 67 dBspl | 67 dBspl | 67 dBspl | 67 dBspl |

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

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

### 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

VOICE ENHANCEMENT SYSTEM

www.bogen.com

BOGEN®

**61**

## 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.

## 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)

**CDR1**
CD Player & AM/FM Receiver

**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

# INTERCOMS

## Desktop Intercoms

SI35A

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, CD 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
- 15V DC Phantom power supply
- Color-coded controls for easy operation
- 3-conductor, shielded 18, 20, or 22 AWG wire is recommended
- Sturdy desktop cabinet w/ simulated oak finish

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

# 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

**3 Microphones**
Well-positioned microphones pick up sound in all directions, making it easy for everyone in the room to participate at normal conversation levels.

**High-Quality Speaker**
DSP-based echo cancellation and this high-quality speaker combine to provide clean, clear Full-Duplex audio for true two-way conversations.

**Flash Button**
Allows for the use of special calling functions, if available on your existing phone system.

**LCD Display**
An easy-to-read recessed display shows call status (on/off), phone number dialed, and volume level.

**Speed Dial**
10 number speed dial allows your frequently called telephone numbers to be stored in memory. Easy to program. Easy to use.

**LED Indicators**
Three green LED lights flash when the Mute feature is active, or when there is an incoming call. Lights will remain on during a call.

**Mute Button**
Allows for private conversation on your end of the conference call. The LED lamps will blink while the V•Hub unit is set to Mute.

18005551212

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

### Accessories
**VHSK**
**Security Tether Kit**

### 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.*

**1** V-Hub Connect

**2** DC Adapter

**3** Telephone Jack

www.bogen.com BOGEN

**63**