4-Zone Music & Paging System

Model DRZ35

Description

The Bogen DRZ35 is a unique, self-contained 4-zone music and paging system for small- to medium-sized applications. It combines a digital AM/FM tuner with MIC, LINE, and AUX inputs. It has a 35-watt amplifier capable of driving 4-ohm speaker systems as well as 25- or 70-volt distributed systems.

The DRZ35 permits connection of up to four switch-selectable paging zones. The DRZ35 also features Bass and Treble controls and a Master Volume control with a 5-segment LED output meter. The built-in tuner uses a PLL synthesizer to provide accurate frequency selection.

The MIC Input can be set for VOX-activated muting of the other audio inputs. The unit's microphone input accepts a balanced Lo-Z microphone with selectable Phantom Power. The input uses a three-pin standard mic connector and has its own volume control.

Features

- Self-contained, 4-zone music and paging system with Tuner and MIC, LINE, and AUX inputs
- 35-watt audio output
- For use with 4-ohm, 25- or 70-volt speaker systems
- Select 1-4 zones for music or paging
- 3 external audio inputs: MIC, LINE, and AUX
- MIC input uses a standard XLR three-pin connector for balanced Lo-Z microphone
- Phantom power
- Microphone paging priority with VOX-activated music muting
- LINE and AUX Stereo combining RCA inputs
- Built-in digital AM/FM Tuner, with PLL synthesizer to provide accurate frequency selection
- Auto station search and manual tuning
- Backlit tuner display, LCD
- 10 FM and 10 AM station presets
- Tuner has sleep mode/auto shut-off feature
- FM 75Ω coaxial (F-type), FM 300Ω, AM Loop screw antennas
- Large Master Volume Control
- Bass and treble controls
- 5-segment LED output level meter
- Booster amplifier output with Pre or Post Volume selection
- Power on LED indicator
- Rack-mountable with included brackets
- FM dipole and AM loop antennas *(included)*
- Listed to UL Standard 60065 for U.S. and Canada
- FCC compliant
- Operates from nominal 120V AC, 60 Hz

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Specifications subject to change without notice.

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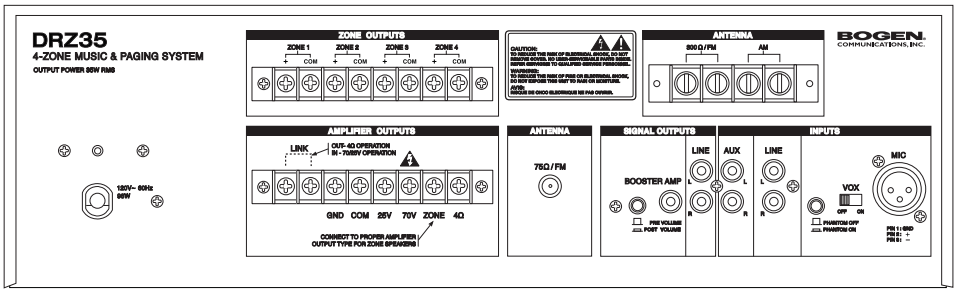

Technical Specifications

Amplifier

Power Rating (RMS): . . . . . .35 watts
Distortion: . . . . . .<1% Rated output power @ 1 kHz
Signal to Noise Ratio: . . . . . .MIC: -55 dB
LINE/AUX: -70 dB
Audio Frequency Response: . . . . . .70 Hz - 15 kHz (25/70V)
20 Hz - 20 kHz (4Ω)
Speaker Outputs: 4-ohm, 25V, 70V
Tone Controls: . . . . . .Bass: +/-10 dB @ 100 Hz
Treble: +/-10 dB @ 10 kHz
Microphone Input: . . . . . .750 μV/1k-ohm balanced (3-pin XLR connector)
Phantom Power: . . . . . .21V (switch-enabled)
MIC Precedence: . . . . . .VOX-triggered (switch-enabled)
LINE and AUX Inputs: . . . . . .80 mV/10k-ohm unbalanced; RCA jack
Booster Amp Output: . . . . . .50Ω/Pre (1V), Post (4V); RCA jack
Line Output: . . . . . .50Ω/(1V); RCA jack

Tuner

Station Tuning: . . . . . .Digital, pushbutton, with PLL Synthesizer
Band Coverage: . . . . . .AM: 522 to 1620 kHz
FM: 87.5 to 108 MHz
Antenna: . . . . . .75Ω coaxial, 300Ω screw, AM Loop screw
Preset Memory: . . . . . .10 FM, 10 AM
Memory Scan: . . . . . .Preset stations
Channel Indicator: . . . . . .Backlit, LCD

Power/Dimensions

Power Required: . . . . . .120V AC nominal @ 60 Hz
Power Consumption: 98W
Dimensions: . . . . . .17" W x 5-1/4" H x 13-5/8" D
Product Weight: . . . . . .20 lbs.

Architect and Engineer Specifications

The paging system shall be the Bogen DRZ35, a self-contained, 4-zone paging system for small- to medium-sized applications. It shall combine a digital tuner, and up to 3 inputs (MIC, LINE, and AUX) with a 35-watt output. It shall be capable of driving 4-ohm speaker systems as well as 25V or 70V distributed systems.

Pushbuttons on the front panel shall select between the TUNER or AUX input as a music source. The LINE and AUX inputs shall consist of mono-summimg RCA jacks to accept signal from a CD player or other line-level source. Bass, treble, and volume controls shall be provided to adjust the level of program and include a 5-segment LED output meter. Individual controls for each input shall also be provided.

The built-in tuner shall use a PLL synthesizer to provide accurate band selection. An LCD display shall be provided to display frequency readout. It shall be possible to program up to 10 FM and 10 AM preset stations. Push buttons shall be provided to select stations, program presets, and scan preset stations. Auto station search as well as manual tuning shall be available.

An integral microphone input shall accept a balanced Lo-Z microphone. Input connection shall be via a three-pin XLR connector. A microphone volume control shall be provided. The input shall also include VOX-activated mute of program from TUNER, LINE, or AUX source. The unit shall supply 21V phantom power for use with condenser microphones.

The DRZ35 shall permit connection of up to four push button-selected paging zones. The unit shall also have LED output signal level indicators on the front panel.

It shall be possible to supply telephone line input to the unit when an accessory transformer (Model WMT1A) is used. Outputs shall be provided for direct connection of 4-ohm speakers and for connection of 25 or 70 volt distributed systems. Four individual zone outputs shall be provided.

The DRZ35 shall operate from a nominal 120V AC , 60Hz AC source, and shall be listed with a Nationally Recognized Testing Lab (NRTL) for U.S. and Canada. It shall meet FCC Part 15 requirements. It shall be rack mountable using included mounting brackets. A 300-ohm/FM, 75-ohm FM (F-type) coax, and AM loop antenna connectors are provided. FM Dipole and AM Loop antenna are included.

The unit shall include a circuit breaker. There shall be a master power switch as well as a separate power switch for the tuner. A red LED indicates power ON/OFF status for the unit.

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