RS-703

NEW!

RS-703

The RS-703 is a two-channel analog beltpack featuring a 3-pin XLR, high performance audio for use in a wide variety of environments, all within a rugged ergonomic housing.

DESCRIPTION

The RS-703 is a two-channel analog beltpack with an XLR-3 line connector and XLR-4M headset connector. A mic preamp with a dynamic range of 130 db enables intelligible voice communication for every volume level, from a whisper to a shout. The beltpack also combines high headroom, low-noise audio and shaped frequency contour (Clear-Com Sound) to deliver crystal-clear audio. Recessed rotary volume control, Talk key and Call key guard against accidental activation. The beltpack features LEDs on the top for visual indication of incoming/outgoing call signalization. The RS-703 has a low operating current to allow for more beltpacks in a chain. Additionally, a thumbwheel level adjustment is available for Program In, as well as a 3.5mm TRS jack for Program Input.

DIP SWITCHES AND LEDS

A concealed DIP switch panel on the back of the beltpack allows the capability to select audio and key options quickly and easily. DIP switches can control features such as switching between electret or dynamic headset, setting a minimum or off level for headphone output, adjusting volume settings, enabling or disabling LED signals, having Call on Talk or latching the Talk key for Channel A, having Call on Talk or latching the Talk key for Channel B, Channel B Minimum Volume setting, and RTS/Clear-Com Select (RS-703 only). A green LED indicates that the beltpack is powered and a green LED on the Talk key indicates that the microphone is active (Talk is latched). An amber LED indicates a Call signal on the channel.

IMPROVED DESIGN

The RS-703 is designed in a rugged and reliable casing with a retro-design connection to the previous RS-500 Series beltpacks. A belt clip allows a variety of ways to use the beltpack; users can clip it to a belt or lanyard, or users can mount the belt clip to a wall, pole or desk for fixed installations.

COMPATIBILITY

The RS-703 is compatible with all Encore partyline products, as well as the PL-Pro line and other TW partyline systems via Encore interfaces.

KEY FEATURES AND BENEFITS

- Visual LED indication on top of keypad for Power (green), Call Signal (amber), and Talk Latch (green)
- Tactile buttons for Call and Talk
- Recessed rotary control for Volume with end stops for 270° rotation range
- Concealed, programmable DIP Switches for Latch Talk on Channels A/B, Talk with Call, LEDs Off, Mic Gain, Mic Type, HP Level Off, Min Volume, RTS/Clear-Com and Call-on Talk
- Fully compatible with current and previous models of Clear-Com analog partyline systems
- Low operating current for more beltpack chaining
- Rugged and strong construction
- “Clear-Com Sound” for intelligible audio
- Program Audio thumbwheel adjustment
- 3.5mm Program Audio Input jack
- XLR-3 line connectors with 2-Channel connectivity
- RTS-TW compatible

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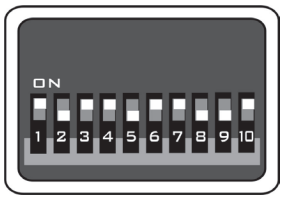

RS-703 DIP Switches

RS-703 Top View

RS-703 Bottom View

DIP Switch Settings:

1. Mic Type
   ON = Dynamic (default)
   OFF = Electret
2. Headset Output Level
   ON = High
   OFF = Low (default)
3. Min Volume – Channel A
   ON = Mute at min level (default)
   OFF = Not silent at min level
4. LEDs On/Off
   ON = LEDs normal operation (default)
   OFF = All LEDs dark
5. Call-on Talk Enable – Channel A
   ON = Call occurs when talk on
   OFF = No call when talk on (default)
6. Talk Latch Enable – Channel A
   ON = Latch enabled (default)
   OFF = Latch disabled
7. Min Volume – Channel B
   ON = Silent at min level (default)
   OFF = Not silent at min level
8. RTS/Clear-Com Select (RS-703 only)
   ON = RTS compatible (use if connecting to a standard RTS line)
   OFF = Clear-Com compatible (default)
9. Call-on Talk Enable – Channel B
   ON = Call occurs when talk on
   OFF = No call when talk on (default)
10. Talk Latch Enable – Channel B
    ON = Latch enabled (default)
    OFF = latch disabled

TECHNICAL SPECIFICATIONS

Microphone Pre-Amplifier

Mic to Line (without limiter acting) Frequency Response:	280 – 15k Hz ± 3dB
Microphone output to line – Audio Level (-50dBm Electret input):	-9dBm
Microphone output to line – Distortion:	<0.1%
Microphone output to line – Signal to Noise:	>65dB
Clear-Com Sound:	Yes

Headphone Amplifier

Frequency Response – Line to Headphone:	150 – 20k Hz ± 3dB
Headphone input from line – Audio Level (-9dBm Electret input):	7dBm
Headphone input from line – Distortion:	<0.5%
Headphone input from line – Signal to Noise:	>50dB
Earphone to Mic – Crosstalk:	>80dB
Sidetone – Adjustment Range (-80db mic input):	>45dB

Keypad Indicators

Power:	Green LED
Talk A:	Green LED
Call A:	Orange LED
Talk B:	Green LED
Call B:	Orange LED

Connectors

Intercom Line:	(2) 3-pin XLR–M–F Ch. 1 2-Wire Intercom Channel Pin 1: Common Pin 2: PL Power (+28VDC)/PL Ch-A Pin 3: PL Ch-B
Headset:	4-pin XLR–M Headset Connector Pin 1: Mic - (Mic Common) Pin 2: Mic + Pin 3: Spkr- Pin 4: Spkr+ (&0.5*VCC DC Supply between Pin 4 & Pin 1)
Program Audio Input:	3.5mm TRS jack

Power Requirements

Voltage input range:	12 MIN - 30 MAX VDC
Current (all inputs off):	~26mA MAX
Call Voltages – Call Voltage:	16.5V dc
Call Voltages – Min Call Voltage needed:	3.3V

Environmental

Operating Temp Range:	0˚C - 70˚C (32˚F - 158˚F)
Storage Temp Range:	0˚C - 70˚C (32˚F - 158˚F)
Operating Altitude:	
Relative Humidity:	0 - 90% non condensing

Dimensions

3.4in H x 4.5in W x 1.7in D
(86.4 x 114.3 x 43.2 mm)

Weight

0.68 lbs (0.31 kg)

Notice About Specifications

While Clear-Com makes every attempt to maintain the accuracy of the information contained in its data sheets, that information is subject to change without notice. Performance specifications included in this data sheet are design-center specifications and are included for customer guidance and to facilitate system installation. Actual operating performance may vary.

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