Clear-Com Encore ™

Que-Com Single-Channel Intercom System

SMQ-7, DMQ-2, PK7

Que Comm SIngle-Channel Intercom System

Que-Com intercom systems are a compact, cost-effective, portable solution to many intercommunications needs. It consists of a PK-7 intercom power supply, and a choice of either one-ear (SMQ-1) or two-ear (DMQ-2) headset stations with an integral boom mic, attached to a rugged beltpack housing the electronics. Que-Com systems are compatible with all other Clear-Com party-line intercom products.

Audio Quality

The system's wide frequency response is specially contoured for voice, so that conversations are clear and distinct; and messages do not have to be repeated - even in the presence of ambient noise. Que-Com systems have low self-noise, so electronic hiss will not interfere with or mask the voices. Its high volume capability, combined with low distortion, allow system users to converse comfortably and intelligibly even when the facility is quite noisy.

The Power Supply

The PK-7 power supply is housed in a rugged metal chassis and has the capacity to power up to 30 SMQ-1 or DMQ-2 headsets. It supplies 24 volts DC at .4 amp to the system. The fully regulated, current-limited unit also provides proper termination for the intercom system. The PK-7 features both short-circuit and reverse-polarity protection.

Three separate 3-pin XLR connectors are provided for intercom audio and power output to the headset stations. Use Y-type line splitters on these connectors to attach additional headsets to the system.

The PK-7 power supply is UL and CSA listed.

Simple Setup and Operation

Simply plug the PK-7 into a standard AC power outlet, attach the headset stations to it using a standard mic cable, and begin talking. Users adjust the volume levels of their headsets to their personal preferences.

Features:

- High-performance, full-duplex two-way communications at a modest price
- Wide frequency response and high volume
- All metal belt pack with belt clip
- Compatible with all Clear-Com stations, power supplies, accessories and interfaces
- Noise-cancelling mic
- Mic switch and volume control
- Interconnects with standard mic cable
- Permanently attached lightweight noise-isolating headsets
- Soft ear cushions and adjustable headbands
- UL and SA listed power supply supports up to 30 headset stations
- Line and load regulated
- Short-circuit protected

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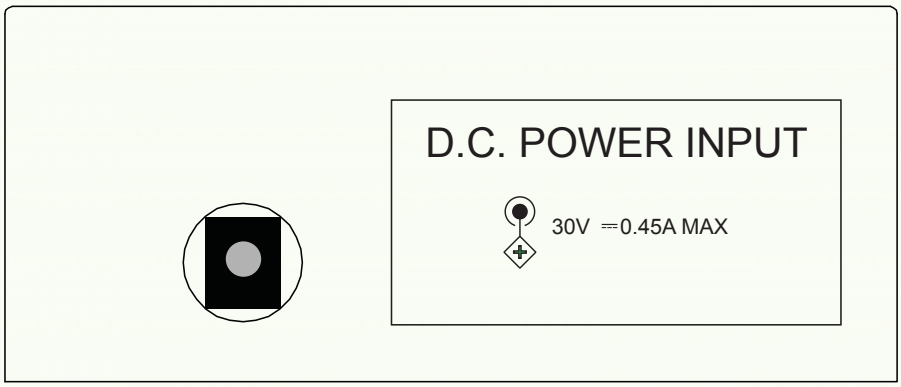

PK-7 Back Panel

Technical Specifications:

dBu is an absolute measurement. 0 dBu is referenced to 0.775 volts RMS

SMQ-1 Single-Ear and DMQ-2 Dual-Ear Intercom

Amplifier Type
Solid state, IC amplifiers, current-limited with reverse-polarity and short-circuit protection

Signal-to-noise Ratio
65 dB

Distortion
<0.5% THD @ 1 kHz

MIC Pre-amp Frequency Response
200 Hz - 10 kHz, contoured for enhanced vocal intelligibility

Microphone Type
Dynamic, noise-rejecting

Headphone Frequency Response
200 Hz - 12 kHz

Sound Pressure Level
110 dB SPL max

Controls & Connector
Mic on/off switch and headphone volume control; cable terminates in female XLR 3-pin connector

Power Requirements

Talk:	10 mA average
Voltage Range:	12-32 VDC

Headset Weight

SMQ-1:	8.5 oz (0.24 kg)
DMQ-2:	13 oz. (0.37 kg)

Beltpack Dimensions
1" H x 3.5" W x 1.5" D (25 x 89 x 38 mm)

PK-7 Power Supply

Mains Input

Input Voltage:	100-240 VAC
Input Frequency Range:	50-60Hz

Power Output

Output Voltage:	22-30 VDC
Output Current:	>=400mA
Output Connectors:	(3) XLR-3F

Front Panel Connectors and Indicators

Input Connector:	(1) 2.1mm Co-axial connector
Indicators:	(2) LEDs: red (overload), green (normal)

Environmental
32 - 122˚ F (0 - 50˚ C)

Dimensions
3.8 in. W x 2 in. H x 4.7 in. D
(97mm x 50.8mm x 119mm)

Weight
1.0 lbs. (0.457 kg)
Transformer: 0.90 lbs. (0.41 kg)

Notice About Specifications

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

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