

**Que-Com
INTERCOM
SYSTEM**

FEATURES

INTERCOM

- High-Performance, Two-Way Communications At A Modest Price
- Wide Frequency Response And High Volume
- All Metal Belt Pack With Belt Clip
- Clear-Com Compatible
- Noise Cancelling Mic
- Mic Switch And Volume Control
- Interconnects With Standard Mic Cable

- Permanently Attached Lightweight Noise-Isolating Headset
- Soft Ear Cushions And Adjustable Headbands

POWER SUPPLY

- Supports Up To 40 Headset Stations
- UL And SA Listed
- Line And Load Regulated
- Short Circuit-Protected

APPLICATIONS

- Crew Communications
- Lighting Director
- Follow Spot Operator
- Theatrical Production
- Concert Sound
- Industrial Communications
- Educational
- Audio / Visual
- Coach To Spotter

DESCRIPTION

Que-Com by Clear-Com is widely used in audio-visual, educational, theatrical, video production, and sports applications, yet it also works exceptionally well in noisy industrial and concert sound environments.

The Que-Com system features low distortion, low noise, and wide frequency response; all units interconnect with standard mic cable. Que-Com is compatible with the Clear-Com Intercom System.

Que-Com provides portable, hands-free communications on a duplex channel (simultaneous talk/listen). Its contoured, wide frequency response and high volume capability assure top quality performance. The intercom electronics include a mic pre-amp and headphone amp enclosed in a die cast metal box with steel belt clip. This rugged intercom also provides an individual volume control and mic on/off switch for each station.

The PK-5 Power Supply supports as many as 40 Que-Com

headset stations with additional line splitters. This compact unit supplies 24 volts DC at .40 amp, terminates the system, is fully regulated, and incorporates short-circuit-protection.

Compact and rugged, the PK-5 is ideal for portable applications especially when they require speedy set-up and break-down. Enclosed in a heavy-duty metal box are three separate 3-pin, XLR connectors for intercom output to the headset stations. Simply plug the PK-5 into a standard AC outlet and it's ready to run Que-com! The power supply is also UL and CSA listed. Que-Com carries a limited one year parts and labor warranty.

SPECIFICATIONS

SMQ-1 SINGLE MUFF and DMQ-2 DUAL MUFF 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-10kHz, contoured for enhanced vocal intelligibility

Microphone Type: Dynamic, noise-rejecting

Headphone Frequency

Response: 200-12 kHz

Sound Pressure Level: 110dB SPL maximum

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

Power Requirements: 10mA average talk; voltage range 12-32 VDC

Headset Weight: SMQ-1, 8.5 oz. (240 g); DMQ-2, 13 oz. (370 g)

Beltpack Dimensions: 3.5" (89mm)L x 1" (2.5mm)W x 1.5" (38mm)D

PK-5 POWER SUPPLY

Wall mount AC power adapter with solid state 24 VDC regulated supply. Short circuit, current limiting protection with bi-color LED indicator

Output Current: .40A

Power Consumption: 16 watts

Power Requirements: 105-130 VAC, 60 Hz

Output Connectors: (3) male, 3-pin XLR type

Operating Temperature Range: 0 - 70°C (32-158°F)

Dimensions (Power Supply Splitter Box): 3.9" (98mm)W x 1.9" (48mm)H x 5.25" (133mm) D

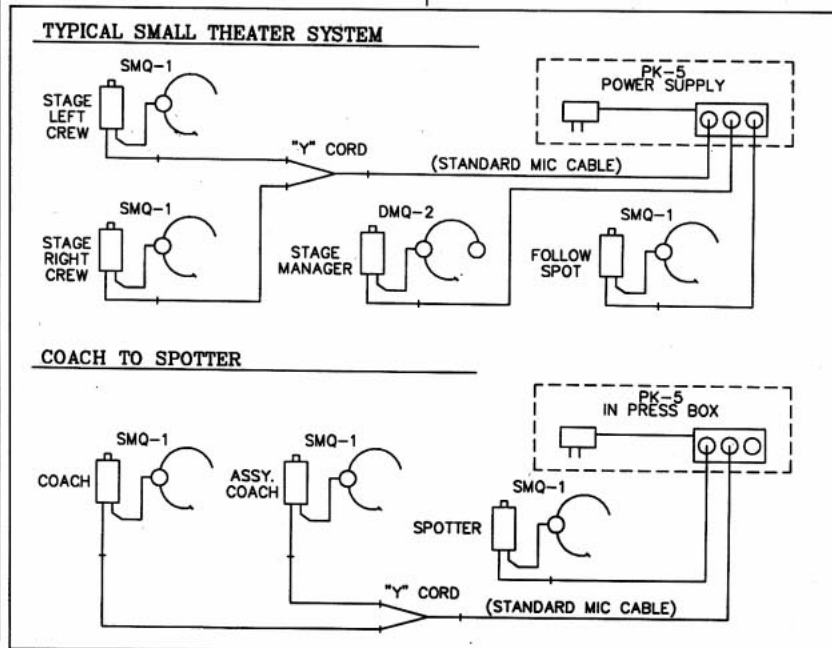
Weight: 1.5 lbs. (.66 kg)

Cable Length: 6' (from AC adapter to splitter)

Specifications are subject to change without notice.

ENGINEERING and ARCHITECTURAL SPECIFICATIONS

The intercom system shall consist of intercom modules with permanently attached noise canceling headsets. It shall be powered by a 24 volt dc supply. Each intercom module shall consist of an electronics module housed in a die-cast box with mic on/off switch, volume control, and a 5 ft cable terminated with a 3 pin female XLR connector. The power amp shall be capable of driving the headphone to a level of 110dB SPL. The system shall interconnect using standard 2-conductor shielded microphone cable for interconnections of up to 5,280 feet. The microphone preamplifier shall have a frequency response contoured to enhance voice intelligibility. The headphone response shall be 200 Hz to 10 kHz. The signal-to-noise ratio shall be at least 65 dB. The intercom power supply shall be current limited and shall have short circuit and reverse polarity protection. The power pack shall operate on 115 VAC, 60 Hz. The power pack shall be capable of supplying power for up to 40 headset stations. The power pack shall be a Que-Com Model PK-5; the single-muff headset shall be Que-Com Model SMQ-1; the dual-muff headset shall be a Que-Com Model DMQ-2.



OPERATING INSTRUCTIONS

"QUE-COM" INTERCOM SYSTEM

Congratulations on your purchase of "Que-Com" intercom system. This quality intercom will give you many years of dependable service if attention is paid to protecting the headsets from heavy abuse.

SETTING UP & OPERATING QUE-COM

1. Determine location of AC power. Put PK-5 power supply at the AC location. Choose locations for the intercom stations and determine how many cables and what lengths will be required to go from the power supply to the stations. Stations can be "home run"ed to the power supply or "daisy chained" in any manner with "Y" cords. Each cable shall be a 2 conductor shielded mic cable with standard XLR 3-pin male and female connectors on each end. Plug all cables into stations before plugging into power supply.
2. The pin assignments on the XLR-3 connectors are as follows:
 - Pin 1= Common (shield)
 - Pin 2= +28 volts DC
 - Pin 3= intercom audio signal
3. The power supply comes in two parts, an AC power module and a power distribution box. Plug the AC power module's cord into the hole at the back of the power distribution box. Then plug the AC power module into an AC circuit. The green LED on the power distribution box should come on.
4. Now plug the intercom cables into the power supply box one at a time. If when plugging a cable in, the LED turns from green to red, it means you have a shorted or cross wired intercom cable(s).
5. When all the cables are plugged into the power distribution box and the LED remains green you have successfully installed the intercom system.
6. Have people put on headsets and check each location for both talk and listen communications.

STATION OPERATION

Operating the Que-Com intercom station is quite simple; there are only two controls. A latching button on the end of the intercom box turns the headset microphone on and off. The button cap turns green when the mic is on. A volume control adjusts the audio level in your headset. Set for a comfortable listening level. You're all done.

SERVICE & WARRANTY INFORMATION

The intercom station and power supply is warranted for one year from date of purchase for all parts and labor. The headset and headset cable is warranted for 90 days. There is a flat repair charge for out of warranty service.

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