

MULTIPHONES™

MULTI-USER DISTRIBUTED HEADPHONES SYSTEM

Product Description

MultiPhones is a multi-user distributed headphones system for broadcast studio, professional audio, and similar applications. It provides independent stereo headphone listening facilities for multiple users. The MultiPhones system consists of the Master unit and up to 12 satellite Guest Pods which are interconnected using standard CAT5 cabling.

The MultiPhones Master unit has inputs for stereo Program audio and Talkback audio, Talkback facilities and a local headphone output. Master level trimmers for Program and Talkback allow the user to pre-set maximum levels. The Talkback system allows a producer or studio engineer to speak to the Guest Pod listeners, overriding normal Program audio with a Talkback microphone. The Talkback function can be remotely controlled. Three RJ45 jacks are provided to distribute audio and power to the Guest Pods.

Each Guest Pod contains a stereo headphone amplifier, volume control and headphone jacks. Both 1/4" and 1/8" (3.5mm) jacks are provided. In addition, each Guest Pod has

a "cough button" and "mic-on" LED that can be wired to the user's audio console or other equipment.

The MultiPhones system is optimized for use with contemporary high-efficiency headphones with impedances between 24 and 600 ohms. Because each Guest Pod contains its own amplifier, any combination of different headphones can be used. There is no interaction between units, and no degradation of audio performance regardless of the number of Guest Pods used. The system uses low-Z balanced audio distribution so that long cable runs do not affect audio quality.

The MultiPhones Master unit is powered with a built-in AC power supply. It is 1/3 rack width and can be rack-mounted with the optional rack-mount shelf, or cabinet or wall-mounted using optional cabinet/wall mounting brackets. The Guest Pods can be flush-mounted in a tabletop cutout, or mounted on a desktop or to a cabinet using the optional desktop enclosure.



Front



Back

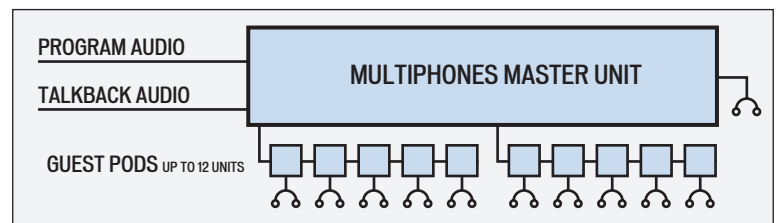
Technical Specifications

Program Input	-15 to 0 dBm, stereo, 10K bal / 5K unbal
Talkback Input	Either bal. mic or line, switchable, mono
Frequency Response	5Hz – 20 kHz, +/- 0.25 dB
Distortion	.005% typical
Noise	-80 dBm
Outputs	For 24-600 ohm headphones
Talkback control	Contact closure or +12 vdc
Power Requirement*	115/230 VAC, 50-60 Hz, 8W
Approval*	City of Los Angeles Elect. Test Lab
Construction*	Steel enclosure
Physical, Master unit	5.75" w X 5.50" d X 1.60" h, 3 LBS
Physical, Guest Pod	4.00" w X 3.50" d X 2.25" h, 1 LB
Cut-out, Guest Pod	3.75" w X 1.25" h

*Master unit only

Specifications subject to change without notice.

Typical Application



Guest Pod can be mounted in cabinet cut-out.



Guest Pod shown with optional desk-mount chassis.