



HEADPHONE AMPLIFIERS

High quality, push-pull headphone amplifiers are employed with an output level (PS Series) nom. 1W rms @ 200 Ohm and (BASIC Series) 400 mW @ 200 Ohms. The complete system offers a frequency response (BASIC Series) 200 Hz to 13 KHZ (PRO SERIES) 200 Hz to 15 KHZ with a dynamic range of 80 db. Special proprietary frequency contouring circuitry ensures high intelligibility for voice and communications.

BASIC SERIES FEATURES

- n Strong ABS backpacks for light weight and durability
- n Unique visual and audible call system with volume trimmers
- n Powering for dynamic or electret headset mics as standard
- n Separate TALK- and CALL functions with large LED indicators
- n Auto resetting switch mode power supplies for 110/240 V mains
- n Proprietary frequency correction for high intelligibility
- n Automatic headset detection
- n Auxiliary program input

switch mode type. In case of short circuits, faulty wirings, or dangerous thermal conditions the PSU will stay unharmed, will reduce power, and eventually shut down. Once the faulty condition has been removed, the power supply will automatically reset and full power will be restored.

TALK

TALK buttons with green LED indicator enable the user to talk to one channel only or more channels

sensitive environments. CALL buttons enable the user to generate a call signal to each channel separately. An incoming or outgoing call signal is indicated by a large red LED. If a CALL button is held for more than 2 seconds, the internal audio BUZZER is activated. The volume of the BUZZER sound can be trimmed or muted.

AUX INPUT

An electronically balanced auxiliary input on the master stations and

PRO SERIES FEATURES

- n Latching or momentary TALK buttons
- n One, two, four and six channel user stations
- n Strong ABS backpacks for light weight or strong aluminium backpacks for durability
- n Separate CALL and TALK functions with large LED indicators
- n Unique visual and audible call system with volume trimmers
- n Remote mic mute and buzzer (audible call) mute
- n Powering for dynamic or electret headset mics as standard
- n Headphone volume and dynamic range exceeds normal industry standards
- n Extended frequency response and proprietary frequency correction for high intelligibility
- n Individual side tone and buzzer volume trimmers at each user station
- n Auto resetting switch mode power supplies
- n Auxiliary program inputs
- n Electronic switching
- n Automatic headset detection
- n Optional binaural headset operation for multichannel-stations
- n DC input
- n System Link

BASIC & PRO SERIES FEATURES

SIDE TONE

Every user station has a side tone trimmer for each channel. It is used to adjust the level of the users voice as heard over his own headset or loudspeaker.

POWER SUPPLIES

All the power supplies are of the

simultaneously. The TALK buttons of the PRO SERIES are latching or momentary (latching when only pushed quickly - momentary when holding for longer than 2 seconds).

CALL

The combined visual and audio call system covers light and/or sound

multi-channel power supplies, feeds auditorium program onto the intercom line. The inputs of the BASIC Series can be switched between line or 30V phantom powered mic level. The PRO Series has a line input with a 'ground lift' switch.

HEADSETS

Headsets with dynamic or electret microphones can be connected as standard. The mic gain can be adjusted internally to suit all possible input levels. A headset detection circuitry ensures the mic pre-amp is only active when a headset is connected.

Headset/Speaker volume controls enable the user to listen to the communication signal at any required level and, at multi-channel stations, at any required balance.



WIRELESS SERIES INTRODUCTION

The ASL wireless intercom system consists of single and dual channel wireless belt-packs and base stations for 2 or 4 wireless connections. Special attention has been paid to the ease of operation, enabling the user to expand his wired intercom system with a reliable and fully featured, wireless intercom section. The system is based on the global license exempt frequency of 2.4 GHz. Within the available band, ASL managed to establish a maximum of 8 wireless full duplex intercom connections. Each connection can be made with a single channel or a dual channel wireless belt-pack. Due to the audio frequency range of 100Hz - 12KHz the system is very comfortable to use for longer periods of time with an extremely high intelligibility of speech.

GENERAL HF SPECIFICATIONS

| | |
|-----------------------------------|-------------------|
| Frequency range: | 2.4 - 2.483 GHz |
| Channel bandwidth: | 7 MHz |
| No of full duplex RF connections: | 8 |
| TX output power: | 12 dBm |
| Receive Sensitivity : | -91 dBm |
| Audio sample rate : | 24 ksp/s |
| Audio quality : | 16 bits TX output |
| power : | 12 dBm |

WS 400 FOUR CHANNEL WIRELESS BASE STATION



W I R E L E S S S E R I E S

WS 200 TWO CHANNEL WIRELESS BASE STATION



Base stations WS 200 and WS 400 (19", 1U)

For full duplex connections, the WS 200 contains 2 send/receive units and the WS 400 contains 4 send/receive units. A maximum of 8 full duplex connections at one location is possible, by connecting 2x WS 400 or 4x WS 200.

Interfacing to wired intercom

With switches on the rear panel of the base station, each send/receive unit may be routed to either the built-in two channel (A and B) partyline interface, or to 4-wire intercom systems. Input and output volumes can be adjusted by trimmers at the rear of the base station.

FEATURES

(further explained on page 2 + 3)

- n Volume control
- n TALK and CALL functions
- n MIX Control (WS 29 only)
Allows the user to listen to either Channel A, Channel B and to both Channels at any required balance.
- n MIC mute circuit
- n BUZZER mute circuit



WS 29 DUAL CHANNEL WIRELESS BELTPACK

WS 19 SINGLE CHANNEL WIRELESS BELTPACK

