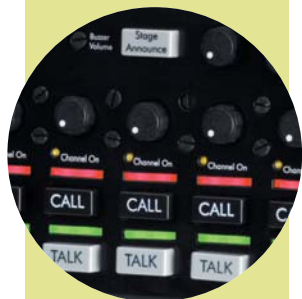




ASL INTERCOM SYSTEMS





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 Auxilliary 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 Auxilliary 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.



PRO SERIES

BINAURAL HEADSET CONNECTOR

As an option, a XLR-6 headset connector can be fitted allowing the user to use the headset in a binaural function. By setting internally mounted jumpers, each of the channels can be assigned to either or both headset-cans. Units with an Auxiliary Input can also route the intercom channel to the left headset-can and the program signal to the right headset-can.

PROGRAM INPUT (PS 4379, PS 6379, PS 630, PS 19A and PS 19AM only)

A Program Input is provided allowing the user to feed auditorium program onto his own loudspeaker and/or headset (local monitoring only, the signal will not appear on the intercom lines).

MIC MUTE

An ALL MIC MUTE push button is provided on each PRO SERIES Master Station or Power Supply (PS

4379 and PS 6379 additionally have MIC mute push buttons for each channel separately), allowing the user to temporarily mute the microphones of all connected PRO SERIES user stations. When the Master Stations or Power supplies are being switched on, all mics are muted automatically.

BUZZER MUTE

A BUZZER MUTE push button is provided on each PRO SERIES Master Station or Power Supply allowing the user to mute the buzzers of all connected PRO SERIES user stations. The PS 4379 and PS 6379 additionally have BUZZER mute push buttons for each channel separately.

SYSTEM LINK

All new Master Stations and Power supplies (PS 279 / 289 / 4379 / 6379) are equipped with an additional XLR-3 connector for each channel to allow a connection to another ASL System without

impedance problems, and without using power from the other system.

STAGE ANNOUNCE (PS 4379 and PS 6379 only)

This push button routes the microphone signal directly to a line level output.

IFB (PS 4379 and PS 6379 only)

Any channel can be switched to IFB mode. This is used for monitoring purposes and one way communication from i.e. a director or producer to a talent. If an Auxiliary signal is assigned to the IFB channel, it will reduce volume by 50 % (factory setting) when the TALK button is pushed. However, this reduction can be adjusted by the user.

TALK TO ALL (PS 4379 and PS 6379 only)

By pushing and holding the TALK to ALL button the microphone signal is sent to all channels which are not in IFB mode. When the IFB-in-talk-

all dip switch is 'on', the signal is also sent to the channels which are in IFB mode.

CALL TO ALL (PS 4379 and PS 6379 only)

By pushing and holding the CALL TO ALL button a call signal is sent to all channels which are not in IFB mode.

NEAR STATION FUNCTION (PS 4379 + PS 6379 only)

To prevent system feedback, two PS 6379 / PS 4379 stations can be linked as "near stations" when used in the same room. This will dim the listening level, should the 'near' station talk on the same channels the 'linked' station is listening to.

EXTENDED STATION (PS 4379 + PS 6379 only)

Two stations may be linked to form a station of 8, 10 or 12 channels. When linked, 1 station will be the master with an active speaker and

gooseneck/electret microphone. The speakers and microphones of the other units will be switched off.

DC INPUT (PS 279, PS 289, PS 4379, PS 6379 only)

A 12 - 28V DC Input is provided should 110/240V mains power not be available, or should a battery powered back-up be required.



BASIC SERIES INTRODUCTION

The BASIC SERIES offers a cost effective solution for smaller networks where full duplex, party-line communication is required. The interconnect system is based on a standard, balanced mic cable with XLR-3 connectors. The installation requires no expert knowledge and the superior control layout allows comfortable operation.

High quality push-pull headphone amplifiers are employed and the complete system offers a frequency response of 200Hz to 13kHz with a dynamic range of 80dB. Special proprietary frequency contouring circuitry ensures high intelligibility for voice communications. A current driven interconnect loop ensures operator listening levels do not change as stations are added or removed from the network.

BS 216 DUAL CHANNEL MASTER STATION



The BS 216 is a dual channel intercom station with a built-in, switch mode power supply and AUX input for program signals. It is housed in a 19" steel case and provides all the features necessary for a two channel communication system, in conjunction with BS 15 beltpacks.

B A S I C S E R I E S

BS 15 SINGLE CHANNEL BELTPACK



The BS 15 is a portable 1-channel intercom station, housed in a strong ABS case and provided with a belt clip.

The unit is powered via the intercom line by a BS 216 master station or a BS 181 / BS 286 power supply.

FEATURES BS 216

(further explained on page 2 + 3)

- Power Supply Section
The switch mode power supply is designed to safely drive fifteen BS15 beltpacks, when each is driven to full volume.
- TALK and CALL Buttons & LEDs
- Volume Control (Listen Level)
- Aux Input
volume control for each channel



BS 181 SINGLE CHANNEL POWER SUPPLY



The BS 181 is a 1-channel, switch mode power supply in a steel case. It is capable of safely driving fifteen BS15 beltpacks, when each is driven to full volume. It provides all the features necessary for a simple communication system based on BS 15 beltpacks.

B A S I C S E R I E S

BS 286 DUAL CHANNEL SEPARATE POWER SUPPLY



The BS 286 is a 2-channel switch mode power supply with AUX input for program signals. It is housed in a 19"/1U steel case and is designed to be able to safely drive fifteen beltpacks BS 15, when each is driven to full volume.

FEATURES BS 286

(further explained on page 2 + 3)

- n AUX Input
- Volume control for each channel.

The BASIC SERIES products are also available as pre-packed intercom systems:

	BS 216	BS 181	BS 15	HS-1/D	HS-2/D
Talkpack 1		1	2		
Talkpack 2		1	2		2
Talkpack 2-1		1	2	2	
Talkpack 3	1		2		



TALKPACKS



PRO SERIES INTRODUCTION

The PRO series of Intercom Products offers a complete and professional solution for any size of network where a full duplex party-line communication system is required. The interconnect system is based on a standard, balanced mic cable with XLR-3 connectors. The installation requires no expert knowledge and the superior control layout allows comfortable operation.

High power push-pull headphone amplifiers provide an extensive dynamic range of 80dB over a frequency range of 200Hz to 15kHz. Proprietary frequency contouring circuitry ensures high intelligibility for voice communications. A current driven interconnect loop ensures operator listening levels do not change as stations are added or removed from the network.



PS 19M SINGLE CHANNEL BELTPACK IN METAL CASE

PRO SERIES

PS 19 AM SINGLE CHANNEL BELTPACK WITH PROGRAM INPUT IN METAL CASE



This series of three beltpacks are single or dual channel portable intercom stations housed in a strong aluminium case with a sprung metal belt clip. They are powered via the intercom party line from a PRO Series master station or separate power supply unit. All electronic circuitry is based on surface mount technology, offering maximum durability and ease of technical service.

FEATURES PRO SERIES BELTPACKS

(further explained on page 2 + 3)

- n TALK and CALL Buttons
- n Headset Volume Control
- n Mic Mute

Each beltpack is provided with a mic mute circuit, allowing a push button on PRO Series master stations or power supplies to mute the headset microphone.

- n Program Input (PS 19A, PS 19AM)
- n Binaural Headset Connector (PS 19A M, PS 29 M and PS 29 only) Optional

PS 29M DUAL CHANNEL BELTPACK IN METAL CASE



This series of three beltacks are single or dual channel portable intercom stations housed in a strong ABS case with a sprung metal belt clip. The operational features are the same as at the beltacks in metal case. For all electronic circuitry, conventional (not surface mount) parts are used.



PS 19 SINGLE CHANNEL BELTPACK IN ABS CASE



PS 19 A SINGLE CHANNEL BELTPACK WITH PROGRAM INPUT IN ABS CASE



PS 29 DUAL CHANNEL BELTPACK IN ABS CASE

PRO SERIES



PS 279 DUAL CHANNEL MASTER STATION

The PS 279 is a 2-channel intercom station with a built-in power supply, housed in a 19"/1U metal case. It provides all the features necessary for a two channel communication system, in conjunction with the PRO Series beltacks and speaker stations.

FEATURES PS 279

(further explained on page 2 + 3)

- n Power Supply Section
The built-in power supply drives 20 beltacks or 10 dual channel speaker stations, or a combination of the two.
- n DC Input
- n TALK and CALL Functions
- n Volume Control
- n Mic Mute Push Button
- n Binaural Headset Connector (optional)
- n Buzzer Mute
- n AUX / Program Input
- n System Link
- n Ground Lift on AUX Input





LOUDSPEAKER STATIONS WITH BUILT IN POWER SUPPLY

This series of speaker stations with a built in power supply provide four or six channel table top intercom stations, fitted with an electret 'noise cancelling' gooseneck microphone and loudspeaker. The models with suffix 'RM' are identical except the gooseneck microphone is replaced by a small built-in electret microphone. For each type of speaker station, a kit is available for 19" rack mounting (2U).

PS 4379 FOUR CHANNEL SPEAKER MASTER STATION



PS 6379 SIX CHANNEL SPEAKER MASTER STATION

PRO SERIES



PS 130/230 in 19"/2U format



PS 430/630 in 19"/2U format

FEATURES PS 4379/6379

(further explained on page 2 + 3)

- n Power Supply Section
 - The power supply of the PS 4379 drives 40 beltpacks or 20 speaker stations. The power supply of the PS 6379 drives 60 beltpacks or 30 speaker stations.
- n DC Input
- n TALK and CALL Functions
 - n Talk to ALL
 - n CALL to ALL
- n MIC Mute (for each channel)
- n BUZZER Mute (for each channel)
- n VOLUME Control (for each channel)
- n STAGE ANNOUNCE
- n IFB
- n AUX Input
- n PROGRAM Input
- n SYSTEM LINK
- n EXTENDED STATION Function
- n NEAR STATION Function
- n GROUND LIFT on AUX, Program and IFB Input
- n BINAURAL Headset Connector (optional)





This series of speaker stations provide single, dual, four or six channel table top intercom stations, fitted with an electret 'noise cancelling' gooseneck microphone and loudspeaker. The models with suffix 'RM' are identical except the gooseneck microphone is replaced with a small built-in electret microphone. For each type of speaker station, a kit is available for 19" rack mounting (2U).

The speaker stations are powered via the intercom party line from a PRO Series master station or Power Supply.

PS 130 SINGLE CHANNEL SPEAKER STATION

PRO SERIES

PS 430 FOUR CHANNEL SPEAKER STATION



PS 230 DUAL CHANNEL SPEAKER STATION



PS 630 SIX CHANNEL SPEAKER STATION

FEATURES SPEAKER STATIONS

(further explained on page 2 + 3)

- n Headsets
 - Headsets with dynamic or electret microphones can be connected as standard.
 - Mic gain for gooseneck and headset mics can be adjusted internally.
- n TALK and CALL Functions
- n Binaural Headset Connector (Option 230/430/630)
- n Channel on/off function (PS 630 only)
- n MIC Mute (Through PSU or Master Stations)
- n BUZZER Mute (Through PSU or Master Stations)
- n VOLUME Control (for each channel)
- n Master Volume Control (PS430/630 only)
- n PROGRAM Input (PS 630 only)



PS 289 DUAL CHANNEL POWER SUPPLY



The PS 289 is a dual channel power supply in a 19"/1U metal case. It provides all the features necessary for a 2-channel communication system in conjunction with the PRO series beltpacks and speaker stations.

FEATURES PS 289

(further explained on page 2 + 3)

- n Drives 20 beltpacks or 10 Speaker Stations
- n DC Input
- n MIC Mute
- n BUZZER Mute
- n SYSTEM LINK
- n AUX Input
- n GROUND LIFT switch for AUX Input

PS 285 DUAL CHANNEL BOOSTER POWER SUPPLY



FEATURES PS 285

(further explained on page 2 + 3)

- n Drives 20 beltpacks or 10 speaker stations
- n Remote controlled Standby Mode

The PS 285 is designed for use as an auxiliary 2-channel power supply unit, should the main power supply of an intercom network be insufficient to drive the required number of stations. The unit has to be placed in a network in such a way that it feeds its own group of user stations.

P R O S E R I E S

PS 680 SIX CHANNEL POWER SUPPLY



The PS 680 is a six channel power supply in a 19"/1U metal case. It provides all the features necessary for a 6-channel communication system in conjunction with the PRO Series beltpacks and speaker stations.

FEATURES PS 680

(further explained on page 2 + 3)

- n Drives 40 beltpacks or 20 Speaker Stations
- n Remote Mic/Buzzer Mute
- n A 25 pin sub-D connector on the rear panel allows the user to connect a switchbox with push buttons for remotely muting the mics or buzzers for each channel separately.
- n MIC MUTE
- n 2 AUX INPUTS
- n BUZZER MUTE
- n AUX MATRIX



PS 260/T DUAL CHANNEL 4-WIRE AUDIO INTERFACE



The PS 260/T is designed to interface an ASL intercom system to external audio equipment or to a 4-wire intercom system. This allows fixed 4-wire systems to be temporarily extended with ASL intercom stations, or a 4-wire TV camera intercom can be connected directly onto an ASL network. Other applications for the PS 260 might be the injection of external audio signals into ASL intercom lines or monitoring of the intercom signals by recorders or paging systems.

P R O S E R I E S

PS 150 SINGLE CHANNEL TELEPHONE INTERFACE



The PS 150 is designed to interface an ASL intercom system to a telephone or 2-wire system and is used to allow communication between an ASL intercom network and a standard telephone, or between two ASL intercom networks via a telephone line.

PS 155 WIRELESS INTERFACE



The ASL PS 155 is designed to be a tabletop, single channel audio interface between simplex wireless intercom systems and ASL partyline intercom systems. Special attention has been paid to the ease of operation by the user, enabling everybody to expand their intercom system with a reliable and locally approved wireless intercom section.

Three modes are available to switch from receive to send. The users select the most appropriate with a switch at the front panel. These modes are:

PTT

Transmit mode can be enabled by an external which that can be connected to the PS 155.

VOX

Transmit mode will be enabled by an audio detection circuit on the wired intercom. The VOX circuit has

a special frequency contouring circuit for the human voice. The attack level and release time can be adjusted at the front panel.

CALL

Transmit mode can be enabled by pushing any CALL button at the connected intercom units. All audio

present at the wired intercom will be broadcasted onto the wireless system. The buzzers of all connected stations are automatically disabled in this mode.



WIRELESS SERIES INTRODUCTION

The ASL wireless intercom system consists of single and dual channel wireless beltacks 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 beltack. 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 ksps
Audio quality :	16 bitsTX 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.

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

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.

WS 29 DUAL CHANNEL WIRELESS BELTPACK



WS 19 SINGLE CHANNEL WIRELESS BELTPACK





IS 011/IS011A/IS011B

Wall Boxes for intercom lines. Surface or flush mounting.



IS 026

Intercom line split box, two XLR-3 female into six XLR-3 male connectors.



IS 011D

Wall Box for six intercom lines and two general purpose audio lines (tie lines), with twelve XLR-3 male connectors and two XLR-3 female connectors. The Box incorporates a three 8-pair multi-cable link system.



IS 640/18

Matrix switch, assigns 18 intercom lines to 6 intercom channels 19"/1U). Units can easily be interconnected by a flat cable allowing the user to extend the number of intercom lines indefinitely.

A C C E S S O R I E S



IS 03

Intercom handset with 'push-to-talk' switch, spiral cable and XLR-4 connector.



IS 02

Headset extension cable with XLR-4 connectors, 3 m.



IS 01

Extension spiral cable with XLR-3 connectors, up to 3.5 m.

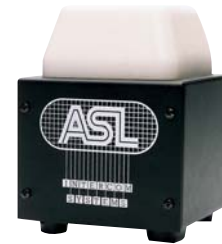
HS1/D - HS2/D

Light weight, half open headsets. Double or single muff with dynamic microphone, cable and XLR-4 connector.



IS 140

Sound & Light CALL beacon, selectable high volume buzzer with volume control and/or large flashing lamp.



IS 640/12

Matrix switch, assigns 12 intercom lines to 6 intercom channels (19"/1U). Units can easily be interconnected by a flat cable allowing the user to extend the number of intercom lines indefinitely.



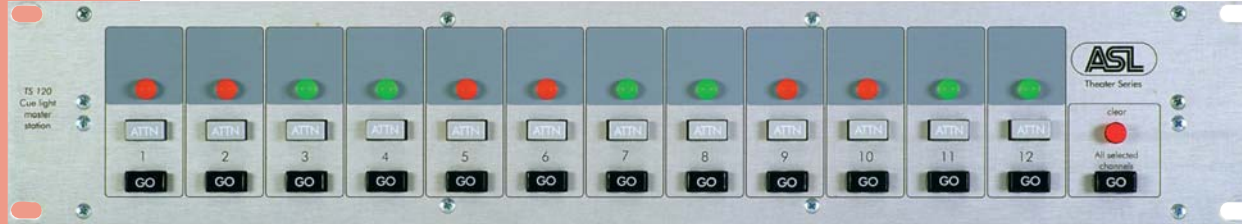
HR-2/E RUGGED

Double muff, closed headset with noise canceling electret microphone (left or right-side use), cable and XLR-4 connector.



CUE LIGHT SYSTEM INTRODUCTION

The ASL Cue Light system consist of one or more 12-channel Master Stations, the required number of Cue Light Receivers and a Preset Control unit (optional). The connection between Master Stations and Receivers is made by standard microphone cable (two conductors and one shield) with XLR-3 connectors.



TS 120 CUE LIGHT MASTER STATION

TS 120 CUE LIGHT MASTER STATION

This 19"/2U unit contains 12 cue light channels, with an 'All selected channels GO' and a 'Clear' push button. Each channel of the TS 120 has an ATTN (attention) push button and a GO push button, accompanied by a bi-colour LED that is red illuminated in ATTN mode and green in GO mode. The unit may be connected to mains voltages from 100 - 240 V AC (auto select) 50/60 Hz.

Linking two ore more TS 120 Master Stations

Master Stations can be inter linked via the D9 serial link connectors on the rear panel. Linking for instance 2 stations, a 24-channel cue light system is obtained. Up to 12 Master Stations can be linked, thus offering a 144-channel Cue Light system. For any multi-channel system, only one TS 99 Preset Control is needed.

T H E A T E R S E R I E S



TS 10 CUE LIGHT RECEIVER

TS 10 CUE LIGHT RECEIVER

This ABS box has a large red LED indicating the ATTN (attention) signal and a large green LED indicating the GO signal.



TS 99 CUE LIGHT PRESET CONTROL

TS 99 CUE LIGHT PRESET CONTROL

The TS 99 Preset Control is powered by the TS 120 via the interconnecting cable. It can hold a maximum of 100 presets, stored in non volatile memory. Each preset is a selection out of maximum 144 channels, obtained when twelve TS 120 master stations are linked (see above 'Linking two ore more TS 120 Master Stations'). Each preset has its page number, which is selected and displayed in the LED screen by using the 'up' and 'down' push buttons.





(Input side)



(Output side)

DI-010 ACTIVE DIRECT INJECTION BOX

The box is provided with two (input and loop-thru) 1/4" jack connectors, an XLR-3 output connector, an attenuator switch, an HF-cut switch and two LED's which indicate the status of the phantom power.

SPECIAL PRODUCTS

Transformers are sometimes the only way to interconnect audio equipment safely and properly. The TR-2 contains transformers with professional (broadcast) specifications and all the required connectors.

TR-2 DUAL CHANNEL TRANSFORMER BOX



(Input side)

The box is equipped with two high quality line transformers which can handle signal levels up to +26 dBu.

The transformers are housed in a strong metal box, covered with a plastic 'skin'. This ensures the boxes can not make conductive contact with the metal housings of other audio equipment, possibly causing undesirable ground loops.



(Output side)

Input Side

The input side is equipped with one Neutrik Combo connector (1/4" stereo jack + XLR-3 female) and one RCA connector per channel. The Combo and RCA connector of one channel are paralleled.

Output Side

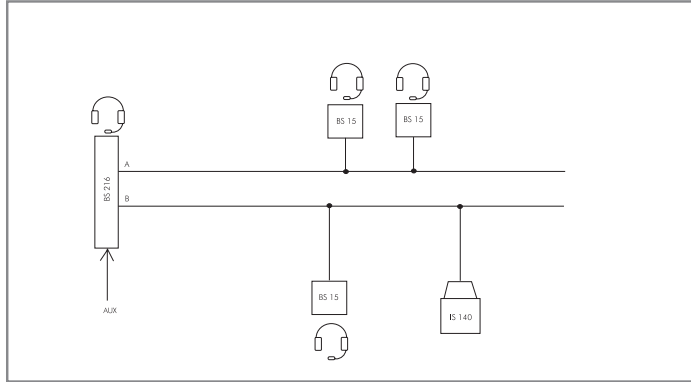
The output side is equipped with one XLR-3 male connector per channel. The transformers are connected between the two (input and output) sides of the box.

The presence of different connector types make matching between different standards possible (e.g. RCA or jack to balanced XLR, or unbalanced XLR to balanced XLR).

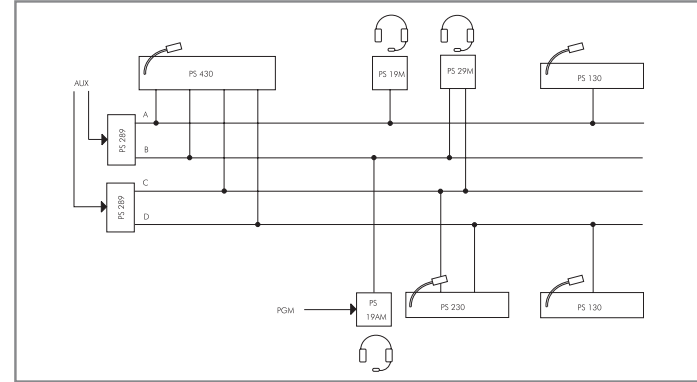
Ground Lift

The 'ground-lift' switch has 3 positions. In the centre position the 'grounds' of the connectors on both sides of the box are connected to the metal pieces of the box and to the screen of the transformers. In the other 2 positions of the switch respectively one of both sides of the box is 'ground lifted' (the other side remains grounded).

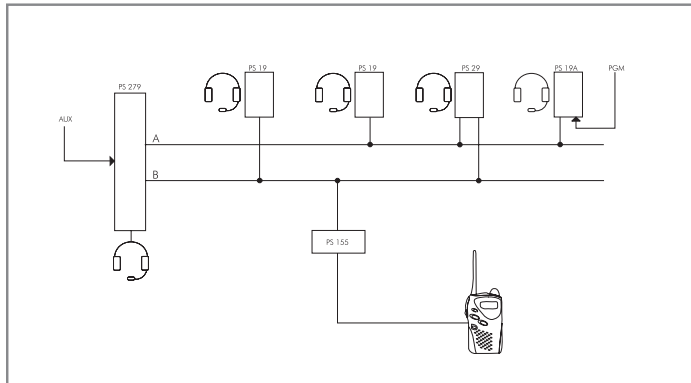




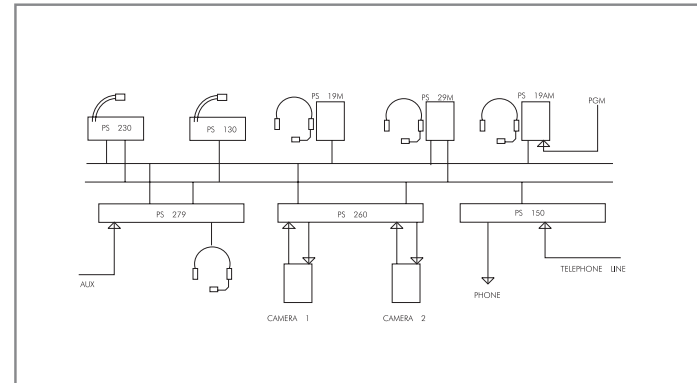
2-CHANNEL INTERCOM NETWORK/BASIC SERIES



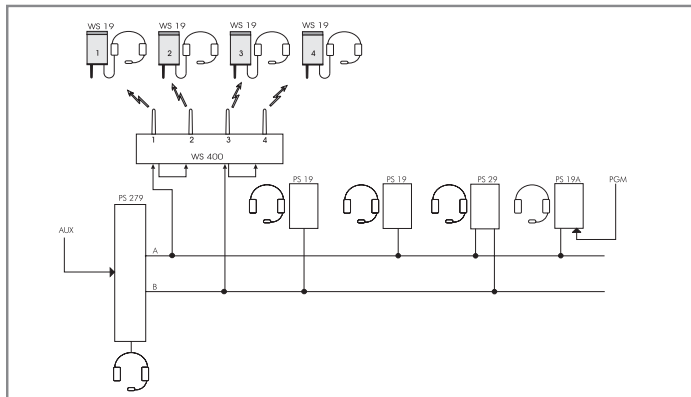
4-CHANNEL INTERCOM NETWORK/PRO SERIES



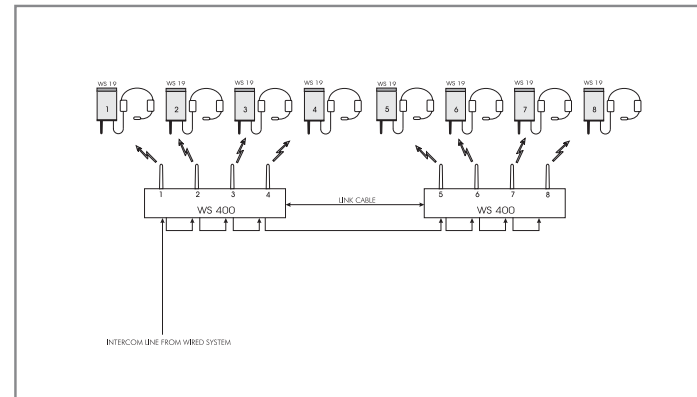
2-CHANNEL INTERCOM NETWORK WITH WIRELESS INTERFACE



4-CHANNEL INTERCOM NETWORK WITH AUDIO INTERFACE AND TELEPHONE INTERFACE



2-CHANNEL INTERCOM NETWORK WITH 4 WIRELESS BELTPACKS
2 BELTPACKS ON INTERCOM LINE A - 2 BELTPACKS ON INTERCOM LINE B



MAXIMUM NUMBER OF WIRELESS BELTPACKS CONFIGURATION



BASIC SERIES TECHNICAL SPECIFICATIONS

General

Dynamic range	80 dB (1kHz, THD<1%)
CALL signal (send)	+2,4 mA
CALL signal threshold (receive)	+2,5 VDC

Power Supply

Mains voltage range	100 - 240 V AC 50/60Hz auto select
DC output voltage	+30 V +/-5% DC
Max output current	1,5 A continuous, 2 A peak

Intercom Line

Impedance	350 Ohm at 1 kHz
Audio level	nom. -18 dBu; max. +4 dBu

Mic Pre-amp

Mic impedance (headset mic)	200 Ohm
Gain	40 - 70 dB adjustable internally
Frequency response	200 Hz - 13 kHz (-3dB)
Output Amp	
Max output level	9 V rms
Max output power (headset)	400 mW rms into 200 Ohm
Headphone impedance	50 ohm - 2 K ohm

Sidetone Rejection	Adjustable 0 - 30 dB
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Note: 0 dBu defined as 775 mV rms into open circuit.

In keeping with our policy of continued improvement, ASL reserve the right to alter specifications without further notice. This range of products was designed, developed and produced by ASL Intercom BV, Utrecht, The Netherlands.



BASIC SERIES ARCHITECTS AND ENGINEERS SPECIFICATIONS

The intercom system shall be of the full duplex type and consist of one or two party lines (so-called 'channels'), to which all intercom stations are connected, enabling the users to 'talk' and 'listen' simultaneously.

The user stations shall be powered by an intercom power supply with built-in line impedance via the interconnecting cables. All interconnecting cables shall be of the balanced microphone cable type, with connectors of the XLR-3 type.

All user stations shall have heavy gauge steel or strong ABS housing and high quality controls and connectors. All rack mount housings shall be of the 19" format.

All intercom audio circuitry shall provide a dynamic range of 80dB and a frequency range of 200 Hz to 13 kHz (-3dB), power amplification for headsets of 400 mW into 200 Ohm and a 'high intelligibility' frequency correction system.

All user stations shall have a CALL system, offering both flashing visual and audible signaling. Every channel shall have its own CALL button and CALL indicator on each station.

All user stations shall have a volume control of the audible CALL signal and, for each channel, trimmers for side-tone adjustment.

It shall be possible to connect any headset, with a headphone impedance 50 ohms - 2K ohms and with a dynamic or electret microphone.

All power supplies shall be of the switch mode type and may be connected to mains voltages from 100 -240V AC (50/60 Hz). Power supplies shall be fully protected and shall have LED status indication for 'power on'.

The intercom system shall provide a volume controlled input for balanced auxiliary program audio signals.

The intercom product range shall at least embody: a two channel master station with built-in power supply, a single channel belt-pack, a single channel separate power supply, a dual channel power supply and accessories such as line sockets, line split boxes, a CALL beacon, headsets and handsets.

The intercom system shall be the BASIC SERIES of ASL Intercom.

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PRO SERIES TECHNICAL SPECIFICATIONS

SYSTEM SPECIFICATIONS

intercom line impedance	350 ohms (1 kHz), 2.2 Kohms (DC)
intercom line audio level	nom. -18 dBu, max. +4 dBu
dynamic range	80 dB
call send signal	2.8 mA
call receive signal threshold	+2.4 V DC
supply voltage	+30 V DC (12 V to 32 V)
power interrupt time for mic mute	0.1 sec

POWER SUPPLY

mains voltage range	100 - 240 V AC 50/60Hz (auto select)
DC output voltage	+30 V +/-2% DC
max. output current	PS 279/289/4379: 2,5 A continuous / 3,5 A peak PS 680: 4 A continuous / 6 A peak PS 6379: 5 A continuous / 7 A peak
circuit breaker delay time	0.2 sec
automatic reset time	3.0 sec

MIC. PREAMP

gooseneck microphone type	noise canceling electret
headset mic. impedance	200 ohms
gain	40 dB - 60 dB (adjustable internally)
presence filter	+6 dB at 5 kHz
frequency response	200 Hz - 15 kHz (-3 dB)
V electret mic	+9 V DC
limiter range (gooseneck mic)	30 dB

HEADPHONES DRIVER AMP

max. load	100 ohms
max. output level	normal 17 V rms binaural 2x 8,5 V rms
max. output power	normal 1 W rms (at 200 ohms) binaural 2x 0.2 W rms (at 400 ohms)

SPEAKER DRIVER AMP (PS 130/230/430/630)

speaker impedance	25 ohms
max. output power	2.9 W rms

SIDETONE

rejection	0 - 30 dB adjustable
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BUZZER

max. SPL	100 dBA
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PROGRAM INPUT (PS 630/ 279 / 289 / 4379 / 6379)

input impedance	47 Kohms
nominal input level	-12 dBu to +6 dBu
max. input level	+16 dBu

AUX INPUT (PS 279/289/680/4379/6379)

input impedance	11 Kohms
gain	0 dB (line level)
nominal input level	-20 dBu to +10 dBu (line level)
max. input level	+21 dBu (line level)

DIRECT MIC OUTPUT (PS 630)

output impedance	50 ohms (balanced)
nominal output level	+6 dBu
max. output level	+24 dBu

DC input (PS 279 / 289 / 4379 / 6379)

12 - 28 V

Note: 0 dBu defined as 775 mV rms into open circuit.

In keeping with our policy of continued improvement, ASL reserve the right to alter specifications without further notice. This range of products was designed, developed and produced by ASL Intercom BV, Utrecht, The Netherlands.



PRO SERIES ARCHITECTS AND ENGINEERS SPECIFICATIONS

The intercom system shall be of the full duplex type and consist of one or more party lines (so-called 'channels'), to which all user stations are connected, enabling the users to 'talk' and 'listen' simultaneously.

The user stations shall be powered by intercom power supplies with built-in line impedance via the interconnecting cables. All interconnecting cables shall be of the balanced microphone cable type with connectors of the XLR-3 type.

All user stations shall have heavy gauge steel, aluminum or strong ABS housing and high quality controls and connectors. All rack mount housings shall be of 19" format.

All user stations shall provide automatic headset detection and reverse power protection. All intercom audio circuitry shall provide a dynamic range of 80dB and a frequency range of 200 Hz to 15 kHz (-3dB), high power amplification for headsets of 1 W rms, and a 'high intelligibility' frequency correction.

All user stations shall have a CALL system, offering both flashing visual and audible signaling. It shall be possible to centrally disable all audible CALL signals. Each channel shall have its own CALL button and CALL indicator on each station. All user stations shall have volume control of the audible CALL signal and, for each channel, trimmers for side-tone adjustment.

All user stations shall have 'Mic Mute' circuitry.

A Mic Mute push button on the intercom power supply shall enable the user to centrally disable all microphones connected to the user stations.

All TALK switches shall be latching or momentary. It shall be possible to connect any dynamic headset with headphone impedance 100 ohms - 2K ohms and with a dynamic or electret microphone.

All power supplies shall be of the switch mode type and may be connected to mains voltages from 100 -240V AC (50/60 Hz). Power supplies shall be fully protected and shall have LED status indication for 'power on' and 'overload'.

The intercom system shall provide a volume controlled input for balanced auxiliary program audio signals.

The intercom product range shall at least embody a two channel master station, four or six channel master Loudspeaker Station with built-in power supply; one and two channel belt packs; one, two, four and six channel speaker stations; two and six channel separate power supplies, 6-channel matrix switches, 4-wire and telephone interfaces and accessories such as line-sockets, line split boxes, a CALL beacon, headsets and handsets.

The intercom system shall be the PRO series of ASL Intercom.

TR-2 TECHNICAL SPECIFICATIONS

Max Output Level	+ 26 dBu
Frequency	
Response	12 Hz - 40 kHz
Total Harmonic	< 0.02% at any output level up to 0 dBu < 0.03% at any output level up to +10 dBu
Insertion Loss	1.6 dB
Common Mode Rejection Ratio	50 Hz: 78 dB/1 kHz: 69 dB/ 20 KHz: 42 dB

DI-010 TECHNICAL SPECIFICATIONS

Input impedance	1M ohm to \geq 100K ohm (depending on attenuator position)
Max. Input Level	+10 dBu to +42 dBu (depending on attenuator position and load)
Max. Output Load	>200 ohms
Max. Output Level	+9dBu to +12 dBu (depending on load)
Frequency Response	-3 dB/40Hz - 20 kHz
Harmonic Distortion	<0,1 %
Noise	<-100 dBu
Filters	12 dB/octave.
Power	Optimal performance with phantom power 48 VDC



Your distributor:



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