

# Linkx

Sound Field Systems



## IRA 89 2 channel four output Amplifier

The IRA 89 amplifier is a 2 channel amplifier split into 4 x 22.5 w into 4 Ohm. It will allow for the simultaneous use of two infra red microphones. Inputs are also available for the input of audio from either a PC, Data Projector or DVD.

### Features

- Inputs for two infrared receivers
- Four Stereo line level inputs
- Inputs for up to three Infrared receivers
- Front panel input (3.5mm jack)
- Nine band graphic equaliser
- Built in Vox Muting (may be interfaced with School PA System)
- Rear Mounted line level output
- Optional rack mount kit

### IRA 89 Specifications

Infrared Receiver	
Carrier reception	Infrared
Reception System	Hetrodyne
No of Channels	2
Frequency	Ch A- 2.08MHz/ChB-2.54MHz
Infrared Wavelength	850nm
Modulation	FM
De-Emphasis	50 Microseconds
Nominal Deviation	+ 10KHz
Maximum deviation	+ 25KHz
Amplifier Section	
Output	(Four Amp) 90w total/22.5w x 4 into 8 or 4 ohm via terminal block
AUX Inputs	4 terminals, AUX, CD/DVD, V/VCR, PC via RCA connection
Front Panel Output	3.5mm jack
Rear Panel Output	Twin RCA
School Paging Input	Speaker level, 8 Ohm/25v, 70v and 100v
Paging Pass through	Switchable with gain Control
Frequency response	50Hz - 15KHz @ + 3dB
S/N Ratio	> 70dB
THD	< 1% @ 1KHz
Power Supply	DC 19v/4.73A
Size	430(w) x 215(d) x 33 (h)
Weight	2.35KGs approx



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## T-6 Pendant Microphone

The T-6 microphone is an aesthetically designed pendant designed to be worn around the neck hanging from a lanyard. The T-6 Mic also has a 3.5mm jack input for the transmission of other devices via infrared such as an I-pod. This microphone is very light weight (38.4 gms) which makes it very comfortable to wear, and has break away clips as an added safety.

### Features

- Simple Push button for on/off with LED battery level indicator
- External 3.5mm jack for interface top an i-pod or similar device to allow for transmission via infrared
- Provides for the option for “push to talk” as opposed to permanently live
- 2 IR channel select buttons
- Micro USB input for charging either via computer USB port or supplied wall mount charger via supplied USB cable.
- Detachable clip and break away lanyard
- Li- Polymer battery for long life use.

### T-6 Microphone Specifications

Type	Pendant
Infrared Wavelength	850nm
Transmission Frequency	Ch A- 2.08MHz/ChB-2.54MHz/Ch C (Push to talk) 2.54MHz
Modulation	FM
Pilotone Frequency	32.768KHz
Transmission Angle	180 deg Conical
Microphone Capsule	Condensor Uni-driectional
Location of IR Emitter	Built into the top
Level Control	High/Mid/Low switch
External Aux Input	One 3.5mm Jack
Function control Switch	Aux Input Volume up-Thumb Rotary Up Aux Input volume down - thumb Rotary down Mute on/off - Momentary Push
Push to talk	Switch to 3 - ChB Push and hold Function Control switch to talk
Current Consumption	65 mA
Battery	Li Polymer Battery 3.74v/560mAh
Battery Life	Approx 8 Hours
Power LED Indicator	Battery Capacity: Full to Low (Blue - Purple - then Red) Flashing Red: Battery needs charging Green: Push to talk (on Ch 3) Charging: Red Charging Complete Green
External Power Charge	DC 5v/1A : Micro USB Connector. It may be charged from any PC or Laptop
Clip and Lanyard	detachable clip and adjustable neck strap with breakaway clip
Dimensions	19m (thick) x 93mm (h) x 20.6mm(w)
Weight	Approx 38.4g with battery



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## IRM-202AB Hand held Microphone

Group Technologies are also including a hand held microphone for Class participation complete with charger. The IRM-202 comes fitted with two Infrared transmitters, mounted top and bottom and offer a 350 degree pattern to reduce the possibility of sound drop outs when the microphone is mishandled. The uni directional condenser microphone reproduces excellent vocal quality.

### Features

- Power on/off switch
- Battery level indicator
- Rechargeable NiMH batteries

### IRM-202AB Specifications

Infrared Receiver	
Type	Hand held
Transmission Frequency	Ch A- 2.08MHz/ChB-2.54MHz switchable
Pilotone Frequency	32.768KHz
Transmission Angle	360 degrees
No of IR emitting diodes	10
Location os IR Emitter	Two locations, top and bottom of barrel
Power Switch	On/Off slide switch
Microphone Capsule	Unidirectional Condensor
Current Consumption	220mA
Battery	2 x "AA" NMHi Re-Chargeable
Battery Life	9 Hours Approx
Battery LED	Green-Useable, Red- needs charging
Dimensions	247(h) x 45(diameter)
Weight	233g



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## IRS -55 Infrared Receiver



The IRS-55 receiver is a simple to install Infrared sensor which comes complete with 15m of cable for a simple interface to the RCA terminals on the rear of the IRA 89 amplifier. Additionally it comes with clips to attach the receiver to a tile bridge.

### IRS -55 Specifications

Operating frequency	2.0HMZ - 2.8MHz
Operating Range	20m Line of Sight
Signal/Power Interface	Female RCA with 15m of cable
Reception Range	232 sqm/2500 sq ft
Reception Angle	360 full semi-spherical (hald dome) coverage
Dimensions	118(dia) x 25 (H)
Weight	210g



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# Speaker Options



OR



## MS 401 Wall Mount Speakers

For its very compact size, the 401 is an amazing package. Vocal intelligibility and clean music reproduction. Power handling is a conservative 50 watts RMS with high efficiency, 100w peak handling. These speakers are fitted with 5 way binding posts for simple installation.



## PL 81/A Ceiling Speakers

The PL 81/A provides a wider angle of coverage for large spaces with medium to high ceilings. The PL 81/A can support up to 40 W power and, if used without transformer, can generate a sound pressure of 113 dB. The A 1380 protection can be fitted when required by safety regulations.



### MS 401 Specifications

Peak Power	100w
Power handling	50w
Impedance	8 Ohm
Speaker Type	Bass reflex
Speaker Components	LF 4" Poly Propylene Cone 25 mm Voice Coil Surround Rubber Surround HF Dome Tweeter, PEI Diaphragm
Angle of Coverage	90° x 90°
Sensitivity 1W @1 meter	88 dB
Max SPL	108 dB
Frequency Response	80 Hz - 20 KHz ± 4 dB
Crossover Frequency	3000 Hz
Crossover	12 dB
Enclosure Material	UV Stabilised ABS in Black or White Colour
Grille Material	Aluminium
Mounting Brackets	Aluminium
Dimensions	WxHxD 153 mm x 278 mm x 180.5mm
Net Weight	2.6 kg

### PL 81/A Specifications

Frequency Response:	40 Hz ÷ 20 kHz
Max SPL @ 1m:	110 dB
Horizontal coverage angle:	90°
Vertical coverage angle:	90°
Power Handling:	10 W RMS
Peak Power Handling:	20 W PEAK
System Sensitivity:	97 dB
Impedance:	8 Ω
Transducers	
Speaker:	8"
Coaxial:	1"
Input Section	
Input connector:	6 pin terminal block
Constant voltage:	100 V / 50 V
Power Selection:	10 - 5 - 2.5 - 1.25 W (100 V)
Cabinet	
Hardware:	Plastic material
Colour:	White
Grille:	Steel



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