



Loop amplifier

T-10ALP



Description

The Loop Amplifier is a cost-effective amplifier used to drive loop loops installed on the floor or ceiling in public spaces, up to a circumference of 600 meters per amplifier.

This solution enables hearing aid users in the area enclosed by the wire loop to hear all notifications or announcements, background music or music. Hearing aid users can set their devices to a T-mode setting, which allows them to receive the loop's signal for superior audio notifications or music. Suitable for deaf people.

Feature

- * High power current drive amplifier.
- * Power output 240 watts 10A.
- * Three microphone/line inputs, one broadcast constant voltage 100 V highest priority input.
- * 5KHz or 10KHz optional frequency range and tone control.
- * Built-in power limiter and automatic current control function.
- * Support integration and use in voice evacuation system.
- * Each amplifier covers a circumference of approximately 600 meters.
- * Microphone or line 1-3 input with 48V phantom power input.
- * Complete protection circuit including high temperature, overload and short circuit.



Specification

Maximum output current	10A
Rated output current	7A
Input sensitivity and impedance	Input1-3(MIC): 2.5mV/600 , Balanced XLR input; Input1-3(LINE): 775mV/10K , Balanced XLR input
Output sensitivity and impedance	1V/470 , Balanced XLR output
Tone control	Bass: 10dB at 100Hz ; Treble: 10dB at 10KHz
Frequency response	50Hz~10KHz (3dB)
SNR	66dB
THD	Less than 0.1% at 1KHz, 1/3 rated power
Mute function	Broadcast 100V has the highest priority, Input 1 has priority over Input 2 and Input 3
Connector	Screw
Main amplifier input	Unbalanced connector 1/4" TS jack
Crosstalk	50dB
Broadcast (100V) input	Balanced input
Slave output	1V/470 ohm, unbalanced connector 1/4" TS jack
Phantom Power	+48V
Cooling method	Fan automatic control
Protection method	High temperature, overload and short circuit
Power supply	~230V/50Hz
Power consumption	350W
Weight	6.5kg
Dimensions (LxDxH)	490x357.5x88mm
Material	Panel: aluminum plate, black; shell: steel plate, black