

## Technical Specifications

# TL-A8O-20W

### Features at a Glance

- 2x20Watt@40hm default output and 1x40Watt@80hm bridge output
- Supports balanced & unbalanced MIC input
- Supports stereo, mono and bridge format output
- Controlled by buttons, IR, and RS232



The TL-A8O-20W is a compact-size class-D digital amplifier with 2 analog audio inputs and 1 MIC input. It supports audio looping up to 255 units. It features a switchable bridged, dual-mono or stereo output, microphone mixing and many other features that make it perfect for applications; including classroom, small meeting rooms, lecture halls, bars, etc.

## Specifications

I/O Connections	
Analog Inputs	One (1) RCA L/R jack, One(1) 3.5mm TRS jack
MIC Input	One (1) 3-pin captive screw connector/3.81mm
IR Input	One (1) 3.5mm TRS Jack
RS232 Control	One (1) 3-pin captive screw connector/3.81mm
Button Control (Top Panel)	Five (5) buttons in total
MIC Signal Type Selector	One (1) 3-position slider switch
Output Signal Format Selector	One (1) 3-position slider switch
Analog Loop Output	One (1) 3.5mm TRS jack
Amplifier Output	One (1) 4-pin pluggable terminal block/5.08mm
DC 24V Power	One (1) Power connector with locking screw (5.5mm outside diameter, 2.1mm inside diameter)

<b>Audio Performance</b>	
Input Impedance	>10k $\Omega$
Output Impedance	50 $\Omega$ Analog output; 4/8 $\Omega$ Speaker output
Maximum Rated Power Output	40 Watts
Frequency Response	120 Hz ~ 20 kHz
Common Mode Rejection Ratio (CMRR)	>70 dB at 20 Hz ~ 20 kHz
Signal to Noise Ratio (SNR)	80 dB (Max)
Total Harmonic Distortion + Noise (THD+N)	1% at 1 kHz; 0.3% at 20 kHz at Nominal Level
Voltage Gain	32 dB
<b>Chassis and Environmental</b>	
Enclosure	Painted aluminum
Dimensions(W x H x D)	123.0mm x 39.5mm x 87mm (4.84in x 1.56in x 3.43in)
Shipping Weight	0.83Kg(1.83lbs)
Operating Temperature (Environment)	-10° ~ +40° C(+14° ~ +104° F)
Operating Temperature (Chassis)	45° C (113° F)
Operating Humidity (Environment)	10% ~ 90% Non-condensing
Storage Temperature (Environment)	-15° ~ +70° C (+5° ~ +158° F)
Storage Humidity (Environment)	10% ~ 90% Non-condensing
<b>Power, ESD, Regulatory</b>	
Power Supply	DC 24V at 2A
ESD Protection	15KV
Regulatory	CE, FCC
<b>Other</b>	
Standard Warranty	1 Year
Indicators	1 Power, 2 Input select ,4 Signal select, 1 Up, 1 Down, 1 Mute
Included Items	Installation guide, Power adapter, Mounting ears (2 ea), RS232 cable, Rubber feet (4 ea), Pluggable terminal blacks (2 ea)

### Dimensional Drawings

