**Technical Specifications**

# TL-A70-40W

The TL-A70-40W is a compact-size amplifier that features alternative 70V or 100V output. It has 2 stereo inputs, 1 digital audio input and 1 MIC input. The TL-A70-40W can be controlled by button, IR, or RS232 command. It includes powerful functions, including ducking, EQ control, MIC mixer.

## Specifications

| I/O Connections | |
|---|---|
| Analog Inputs | Two(2) RCA jack, One(1) 3.5mm TRS jack |
| Digital Input | One(1) optical 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 |
| RS232 ID Selector | One(1) 16 ID codes for control |
| Button Control(Front Panel) | Five(5) buttons in total |
| MIC Signal Type Selector | One(1) 3-position slider switch |
| 70V or 100V amplifier Output | One(1) 3-pin captive screw connector/3.81mm |
| DC 24V Power | One(1) Power connector with locking screw (5.5mm outside diameter, 2.1mm inside diameter) |

## Audio Performance

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|---|---|
| Input Impedance | >10k Ω |
| Output Type | Constant voltage 70V or 100V |
| 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 | 26 dB |

## Chassis and Environmental

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|---|---|
| Enclosure | Painted aluminum |
| Dimensions (W x H x D) | 130mm x 44mm x 144mm (5.12in x 1.73in x 5.67in) |
| Shipping Weight | 1.10Kg(2.43bls) |
| 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 |

## Power, ESD, Regulatory

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|---|---|
| Maximum Power Consumption | 45W |
| Power Supply | DC 24V at 2.5A |
| ESD Protection | 15KV |
| Regulatory | CE, FCC |

## Other

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|---|---|
| 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),Mounting screws(4 ea), RS232 cable, Plastic cushions (4 ea), Pluggable terminal black |

## Dimensional Drawings