



TM-360 60-WATT COMPACT MIXER/AMPLIFIER

The **TM-360** is a 3-input, 60W unit that offers input and output flexibility coupled with energy efficiency. It uses a Class-D amplifier topology for added energy efficiency.

A front panel 3.5mm TRS mini-jack makes it easy to plug-in a back-up music source, such as an mp3 player. Rear panel DIP switches allow you to select the mix going to each zone. There are 2 separate zone outputs: a 1W output for driving a remote speaker, and a preamp output that can be used to drive a separate amplifier.

The TM-360 automatically switches into a stand-by mode if no audio input is received for 25 minutes, thus reducing the current draw. The transformer-isolated output offers a choice of lo-z (4 Ohm), 25V or 70V.*

TM-360 Features:

- One balanced mic/line input with phantom power, 2 balanced line level inputs with stereo RCA sum-to-mono inputs
- Mute priority of inputs
- Manual mute contact closure
- Mini-jack input on front panel overrides channel 2-input on back
- DIP switches for zone 2 assign vox trigger, mute priority, low-cut filter, phantom power
- 600 Ohm pre-out for external amplifier
- Zone 2-output, 1W / 8 Ohms, Balanced 600 Ohm
- Power saving standby mode: audio inactivity or contact closure
- Optional rack mount kit (model RMK-360)
- Safety/Compliance: cCSAus, CE FCC, RoHS

| TM Model | Note: 0dBV = 1V | TM-360 |
|---|-----------------|--------|
| Channels | | 3 |
| Signal-to-Noise (26dB Gain) | | 80dB |
| Max Output Power: 1% THD | | |
| 4 Ohms | | 60W |
| 8 Ohms | | 30W |
| Constant Voltage Power: 1% THD | | |
| 25V | | 60W |
| 70V | | 60W |
| Line Current Draw: @ 120VAC 60Hz (Divide values by 2 for 230VAC) | | |
| Standby Mode | | 0.15A |
| Idle | | 0.24A |
| Typical (1/8 power pink noise) | | 0.38A |
| Max (1/3 power sine wave) | | 0.66A |
| Thermal Dissipation: BTU/hr | | |
| Standby Mode | | 26 |
| Idle | | 43 |
| Typical (1/8 power pink noise) | | 53 |
| Max (1/3 power sine wave) | | 75 |

| General | |
|---------------------|---|
| Operating Temp | 40°F~120°F (4°~49°C), noncondensing |
| Dimensions | 11.8"W x 2"H x 9.02"D (300mm x 51mm x 230mm) |
| Unit Weight | 6.7lbs (3.04kg) |
| Shipping Weight | 9lbs (4kg) |
| Power Requirements* | 120VAC, 60Hz, 24W (USA & Canada) 230VAC, 50/60Hz, 24W (EC) |

| Specifications | |
|--|-----------------------------------|
| Total Harmonic Distortion | |
| 60W (@ 1kHz) | < 1% |
| Frequency Response: 1W @ 1kHz | |
| Input 1, 2, 3 | +1/-3dB, 80Hz-15kHz |
| Tone Control | |
| Bass (100Hz) | +10dB |
| Treble (10kHz) | +10dB |
| Input Sensitivity | |
| Input 1 | -10dBV to -50dBV |
| Input 2, 3 | 0dBV to -20dBV |
| Signal-to-Noise Ratio: 60W @ 1kHz, A-weighted | |
| Input 1, 2, 3 | >80dB |
| Residual Noise: Input 1-3 Volume Min, Tone Set @ Center | |
| Master Volume (Min) | -72dB |
| Master Volume (Max) | -57dB |
| Zone 2 Output | |
| Rated Power (8 Ohm) | 1W (3% THD) |
| Balanced (600 Ohm) | 2.4V |
| Mix Configuration Switches | |
| SW1 | Zone 2 Assign Input 1 |
| SW2 | Zone 2 Assign Input 2 |
| SW3 | Zone 2 Assign Input 3 |
| SW4 | VOX Trigger Input 1 |
| SW5 | VOX Trigger Input 2 |
| SW6 | Mute Link Input 2 & 3 |
| SW7 | Low Cut, 400Hz 6dB/Oct. |
| SW8 | Ch1 Phantom Power, +18V |
| Contact Closure | |
| Manual Mute | Pins 1 & G = Input 1 Mute Trigger |
| Master System Standby | Pins G + 2 Power Standby |



*Supplied AC mains transformer depends on country requirements. ©2014 All features, specifications and graphical representations are subject to change without notice.



TM-360

ARCHITECT & ENGINEERING SPECS

The unit shall be a three input mixer combined with a maximum 60W amplifier using transformer isolated outputs for Low Z (4 Ohm), 25V, or 70V speakers. There shall be a front panel level control for each input, a master level control, and a master bass and treble control. There shall be a second zone output and level control for 1W Low Z speaker and balanced 600 Ohm line output. Input 1 input shall use a Euroblock connector and have a gain control from 0dB to +50dB. Inputs 2 and 3 shall use Euroblock and summed stereo RCA jacks and have gain control from -10dB to +10dB. There shall be an additional front panel 3.5mm TRS jack on Input 2 that overrides the rear panel Input 2. Input 1 shall offer muting priority over Input 2, which shall offer muting priority over Input 3. There shall be switching for Zone 2 Assign, Vox Trigger, Mute Link 2&3, Low Cut Filter, and Input 1 phantom power for microphone. There shall be a front panel power switch, and a standby mode triggered by audio inactivity or contact closure. The unit shall be pre-wired for either 120VAC or 230VAC mains, and draw less than 24W. The unit shall weigh 7 lbs (3kg), and have dimensions of 11.8"W x 2"H x 9.02"D (300mm x 51mm x 230mm). The unit shall have an optional rack-mounting kit available for standard 19" rack. The unit shall be cCSAus listed for safety. No other unit shall be acceptable unless all specifications herein are verified through an independent agent.

The unit shall be an Ashly **TM-360**.

