



TM-360 Sleep/Standby Mode FAQ

The TM-360 has two power saving modes, Sleep Mode and Master System Standby. Both features shut down the power supply to the main amplifier circuit but keep the rest of the TM-360 in operation. This results in energy savings, reduced heat dissipation, and increased life expectancy of internal components. When the TM-360 is in its powered down sleep or standby mode, the power LED changes from blue to red.

What is Sleep Mode on the TM-360?

The TM-360 has a non-defeatable automatic sleep mode feature that shuts down the power amplifier section after 25 minutes of no audio input activity. Audio input activity is defined as any time there is sufficient input signal to flash the input signal LEDs. It is important to note that the input signal LEDs are post-level control, meaning the input level controls must be turned up enough for input signal LEDs to register audio activity.

What is Master Standby Mode on the TM-360?

The TM-360 also has a manually operated standby mode. Master system standby is triggered by contact closure of its Euroblock connector pins G & 2. Master system standby ends when the contact closure circuit is re-opened after being closed. *Master system standby always has priority over sleep mode.*

How Does the TM-360 Wake From Sleep Mode?

Any audio activity that lights the input signal LEDs will automatically wake the amplifier and reset the 25 minute sleep timer. Manually triggering the master system standby connection or cycling the power switch also resets the timer.

How Does the TM-360 Come Out of Standby Mode?

Since master system standby is manually set using contact closure, the two pin connection must be opened again to return the amplifier to normal operation.

Why Does the TM-360 Still Go to Sleep Even Though I Can Hear Audio?

Low audio levels, even if you can hear them, may not be enough to keep the TM-360 awake if the gain structure is not set correctly. The detector circuit used by the sleep timer is the same one used to flash input signal LEDs, thus any LED activity indicates there is sufficient audio level for the sleep timer to stay off. Input trim and level controls *must* be set high enough to flash input signal LEDs using typical audio sources.

Any time the input signal LEDs are not flashing, the amplifier's 25 minute sleep timer begins its countdown. Any LED activity resets the timer for a fresh 25 minute countdown. If there is no LED activity for 25 minutes and the timer gets to zero, the power amplifier section shuts down.

The bottom line is to properly set TM-360 gain structure by adjusting trim and input level controls until there is LED activity during normal use, then finally adjust output level.

How Do I Initially Set Up the TM-360?

To start out, Ashly recommends setting input level controls at clock position 2:00, output level at 10:00, then Inject signal and adjust rear panel input gain trim pots slowly clockwise until the system output level is acceptable for typical use. Input LEDs should be flashing regularly.

If you hear distortion before satisfactory output level is achieved, back down the input trim pot until distortion is gone, then bring the front panel channel level up. Master level output may be increased slightly if necessary, but it is always best practice to have gain at the inputs, not the output.

For quiet usage situations, Ashly recommends reducing the master level control, *not input levels*. Gain adjustments on the front end (trim and input level) should always be run as high as possible without risk of clipping. This guarantees enough signal to prevent unwanted triggering of sleep mode. Remember, if the LEDs aren't flashing, the unit will shut itself down in 25 minutes.

ASHLY AUDIO INC. 847 Holt Road Webster, NY 14580-9103, USA

Phone: (585) 872-0010 Fax: (585) 872-0739 Toll Free (800) 828-6308 www.ashly.com

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