

TINY FOGGER TECH SHEET #1

The following technical information is for those of you are choosing to cut off the battery cable or remote box, or plug in to the remote's mini jack with something other than the Radio, DMX or Timer Remotes.

First I want to say that the Tiny Fogger was not designed or engineered with the idea that the user would cut the cable. Although it is perfectly possible to do so and still operate the Tiny with 100% success, the following is done at your own risk.

THE BATTERY CABLE AND CLIP

This is the cable that comes out of the remote box (the box that contains the momentary switch and mini jack). This cable terminates in a battery clip.

If you choose to cut off the battery clip in order to connect the cable to an alternate 12V DC power source, you need to know that the Tiny has no polarity protection. Therefore, correct polarity connection is vital.

If you cut off the clip, you will find either 2 or 4 wires (depending on the date of manufacture):

Old Version (4 wires):

Twist the brown and green wires together - this is the minus

Twist the white and yellow wires together - this is the plus

New Version (2 wires)

Brown - minus

White - plus

You are advised to insert one diode into the line, to act as a polarity protector. Schottky barrier diodes such as MBR1645 or equivalent are fine. For fog durations longer than 15 seconds, a little heatsink is recommended, otherwise the diode gets too hot. Attach the diode so that the diode is in line with the white/yellow wire. The anode should be towards the plus of your power source, and the cathode (ring) towards the remote box.

If you need to extend the length of the Tiny Fogger's power cable, you should use wire that is 18 gauge or less (English), or 1.5 mm or more (metric).

THE WIRE THAT COMES DIRECTLY OUT OF THE TINY FOGGER

If you choose to cut off both the battery cable/clip and the remote box, you will find 4 wires. Two thick wires - brown and white, and two thin wires - yellow and green.

Brown - this goes to the minus of the 12V DC

White - this goes to the plus of the 12V DC

Yellow - if this is connected/switched to minus, the Tiny starts

Green - if this is connected/switched to minus during power up, the Tiny learns the new resistance of a new vaporizer (heater). This wire is necessary for the vaporizer changing procedure.

For installation of the Tiny Fogger inside a prop, the Brown and White wires should be connected to the DC voltage during the entire show, and the Yellow wire should be connected to the minus from the DC voltage when you want to make fog.

WIRING INTO THE REMOTE JACK WITH SOMETHING OTHER THAN THE RADIO REMOTE, DMX REMOTE OR TIMER REMOTE

There is a remote jack in the Tiny Fogger's remote box (the box with the momentary switch and the battery cable with clip). If you insert an 1/8" stereo mini plug, you will measure 12V DC between the sleeve (ground) and the tip. (12V or whatever the battery voltage is at that moment.) This 12V is used as a power supply for the DMX, Digital and Radio remotes.

The ring (in the middle of the plug) is the trigger input. If you connect the ring to ground, via a switch or relay, the Tiny will fog.

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