

Mix-It2™

Owner's Manual

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Thank you for your purchase of the Mix-It2!

Please read the instructions carefully, they should answer most of your questions.

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Package Contents

The Mix-It2 package includes:

- 12" stereo patch cord
- 36" stereo patch cord
- Cigarette lighter power cord
- 9V battery
- Owner's manual



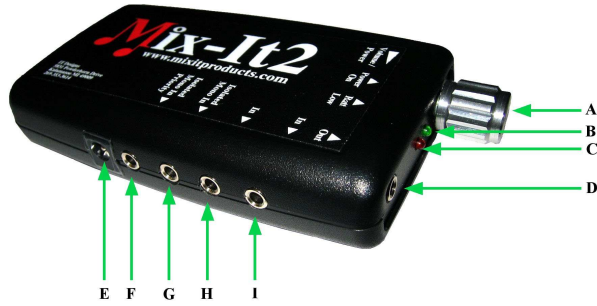
Specifications:

Power source:	9V battery or external power jack (6 to 18 volts)
Power consumption:	15mA
Amplification:	25dB, 17.3x (into 50ohm load)
Output power:	~0.5 watt into 8 ohm load
Signal to noise:	95dB (approximate)
Crosstalk:	90dB (approximate)
Low power indicator:	illuminates @ 6V which indicates 1 to 2 hours of battery life remain

Warranty: 1 year parts and labor, warranty void if paint seal on enclosure screw is tampered with.

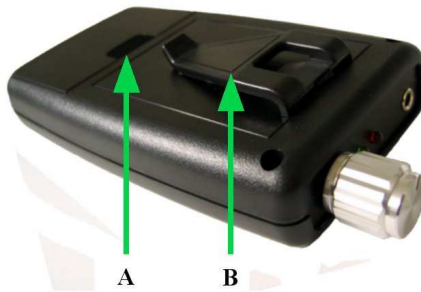
Our Guarantee: In the first 30 days of use, if you are not happy with your Mix-It for any reason, return it to your dealer for a full refund (minus shipping costs).

Features:



- A Power (on/off) and volume knob
- B Power indicator (green)
- C Low battery indicator (red)
- D Headphone output jack
- E External power jack
- F Mono audio input jack, isolated* with priority override (mutes other three inputs: G, H, I)
- G Mono audio input jack, isolated*
- H Stereo audio input jack
- I Stereo audio input jack

*Isolated jack means an isolation transformer inside the Mix-It2 isolates the grounds between the Mix-It2 and the device plugged into it and is commonly referred to as a “ground loop isolator”. No special cords are required when using these monaural inputs for devices such as Escort radar detectors and Garmin GPS units.



- A 9V Battery compartment
- B Belt clip

Usage:

The Mix-It was tested with, and is compatible with almost any device with a headphone output jack. This includes AM/FM radios, MP3 players, CD players, satellite radios, etc. In the case of Escort radar detectors and Garmin GPS units, the two monaural inputs are internally isolated to eliminate the need for special ground loop isolator cables.

The Mix-It2 has four inputs, two stereo inputs and two isolated monaural inputs. The two stereo inputs are designed for use with audio sources, or radar detectors which have stereo output, such as the Valentine 1. The two monaural inputs are intended for use with devices such as GPS units, monaural radar detectors (most radar detectors are monaural), etc.

Configuring the Mix-It2:

All inputs are combined, amplified, and sent to your headphones, speakers, or earbuds as a single signal. To maximize the effective use of multiple devices, it is necessary to set each device's volume control appropriately. The Mix-It volume control adjusts the level of the combined audio signals from ALL sources, even the priority input. This is handy if you pull into a toll-booth, or stop at a light to talk with a fellow rider—you can turn down all devices simultaneously, talk, then turn them all back up.

To ensure proper volume levels, please refer to the following configuration guidelines:

- If **ALL** of the devices you will be connecting have their own volume controls, follow the “**Setup A**”.
- If **ANY** of the devices you will connect **DO NOT** have their own volume control (e.g. some radar detectors), follow “**Setup B**”
- If you are connecting a satellite radio alone, or with **ALL** other devices having their own volume controls, follow “**Setup C**”
- If you are connecting a satellite radio with **ANY** other devices that **DO NOT** have their own volume control, follow “**Setup D**”

Setup A: (All devices have a volume control, not connecting a satellite radio)

1. Set the Mix-It volume control to the half-way point.
2. Connect the first music source to the Mix-It and adjust its volume level so that it is comfortable. If you have any additional music sources, turn off the first device, and follow Step 1 again for each additional device.
3. If you will be using a voice-enabled GPS, turn on one music source and connect the GPS to one of the monaural jacks. If using the non-priority input, adjust the GPS volume so that you can hear the GPS instructions over the music (with most Garmin GPS's, you can make it speak by pressing the “Speak” button, and adjust the volume by pressing and holding the “Speak” button to bring up the volume control. See your owner's manual for other brands.) If using it with the priority input, adjust the volume so it is comfortable.
4. If you will be using a radar detector, turn on one of the music sources, and connect the detector to one of the monaural inputs. Turn the detector on and use the test tones to set its volume so you can hear it over the music, or if it is plugged into the priority input, so that the level is comfortable.

Usage (continued):

Setup B: (At least one device does not have a volume control; not connecting a satellite radio)

1. Set the Mix-It volume control to the minimum level.
2. Plug in the device without a volume control (e.g. radar detector) and turn it on. Adjust the Mix-It volume so that the level is comfortable.
3. Connect the first music source to the Mix-It and set its volume level so to the same or slightly lower level. If you have additional music sources, connect them and adjust their volume levels.
4. If you will be using a voice-enabled GPS, turn on one music source and connect the GPS to one of the monaural jacks. If using the non-priority input, adjust the GPS volume so that you can hear the GPS instructions over the music (with most Garmin GPS's, you can make it speak by pressing the "Speak" button, and adjust the volume by pressing and holding the "Speak" button to bring up the volume control. See your owner's manual for other brands.) If using it with the priority input, adjust the volume so it is comfortable.

Setup C: (Satellite radio alone, or with all device having their own volume control)

1. Set the volume control on the Mix-It to about the one-quarter level and turn it on.
2. Connect the satellite radio receiver to one of the Mix-It stereo inputs. Adjust the satellite radio output level to maximum (in the menu of the Delphi SkyFi or Roady, check your operating instructions for other models).
3. Adjust the Mix-It volume control until the sound level is comfortable.
4. If you have any additional music sources, connect them and adjust their volume levels so that they are about the same as the satellite radio.
5. If you will be using a voice-enabled GPS, turn on one music source and connect the GPS to one of the monaural jacks. If using the non-priority input, adjust the GPS volume so that you can hear the GPS instructions over the music (with most Garmin GPS's, you can make it speak by pressing the "Speak" button, and adjust the volume by pressing and holding the "Speak" button to bring up the volume control. See your owner's manual for other brands.) If using it with the priority input, adjust the volume so it is comfortable.
6. If you will be using a radar detector, turn on one of the music sources, and connect the detector to one of the monaural inputs. Turn the detector on and use the test tones to set its volume so you can hear it over the music, or if it is plugged into the priority input, so that the level is comfortable.

Setup D: (Satellite radio with at least one device that does not have a volume control)

1. Set the Mix-It volume control to the minimum level.
2. Plug in the device without a volume control (e.g. radar detector) and turn it on. Adjust the Mix-It volume so that the level is comfortable.
3. Connect the satellite radio receiver to one of the Mix-It stereo inputs. Adjust the satellite radio output level to maximum (in the menu of the Delphi SkyFi or Roady, check your operating instructions for other models).
4. If you have any additional music sources, connect them and adjust their volume levels so that they are about the same as the satellite radio.

Setup D (continued)

5. If you will be using a voice-enabled GPS, turn on one music source and connect the GPS to one of the monaural jacks. If using the non-priority input, adjust the GPS volume so that you can hear the GPS instructions over the music (with most Garmin GPS's, you can make it speak by pressing the "Speak" button, and adjust the volume by pressing and holding the "Speak" button to bring up the volume control. See your owner's manual for other brands.) If using it with the priority input, adjust the volume so it is comfortable.

Troubleshooting guide:

Power indicator and/or battery low do not turn on.	Check that the 9V battery is inserted correctly, the unit will not turn on if the battery is reversed. Damage will not occur to the Mix-It2 due to reverse installation of the battery. When using the accessory power cord, check that the center conductor is positive (+) and the outer shell is negative (-).
Power indicator is on, but I still do not hear anything.	If you have a device plugged into the monaural priority jack, unplug it and see if audio returns. If so, the device may be incompatible, or turning it's volume down might help.
What does the red light mean?	This is the battery low indicator, it comes on when the 9V battery drops to 7 volts indicating 1-2 hours of battery life remaining.
The red light flashes when I turn the unit on or off.	This is normal.
How do I power the Mix-It2 off my bike?	The included power cord can be used to wire your Mix-It2 into your bike's fuse panel. The black wire goes to ground and the black wire with white trace should be connected to +12v at the fuse block. The Mix-It2 draws less than .25 amp, so a fuse rated for 1 or 5 amps is recommended.
I hear noise when using my device with the Mix-It2.	The Mix-It2 will not pick up noise when run off a 9V battery, and has a built-in noise reducer when powered off your bike. The likely culprit is your device, which may need it's own power filter (when running off bike power).
My GPS sounds distorted.	Try turning the GPS volume down, this usually solves the problem.
The mute is not fully muting the other audio channels	The battery is getting weak, but perhaps not to the point of triggering the battery low indicator.
The mute fades back in very quickly.	The battery is getting weak, but perhaps not to the point of triggering the battery low indicator.

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