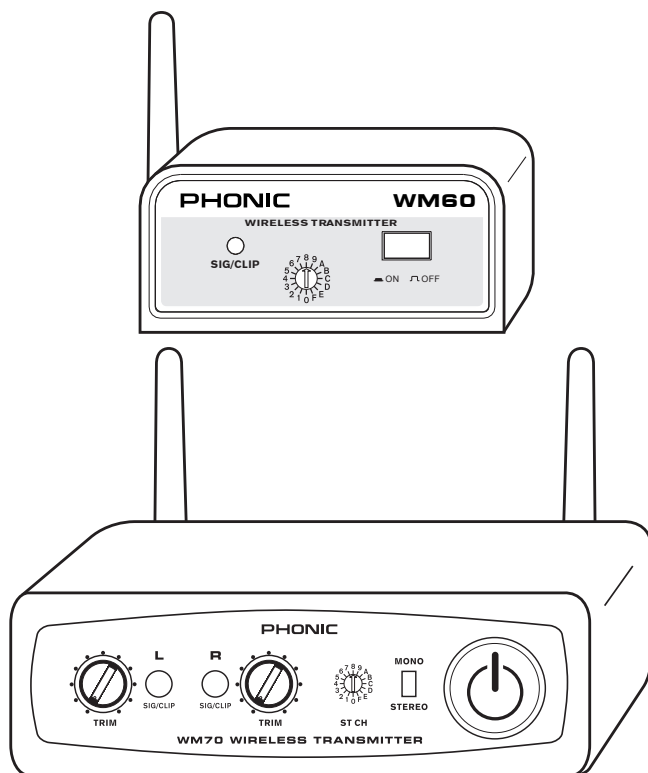


PHONIC

WM60 / WM70

Wireless Transmitters



ENGLISH



User's Manual

IMPORTANT SAFETY INSTRUCTIONS

The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus. The MAINS plug is used as the disconnect device, the disconnect device shall remain readily operable.

Warning: the user shall not place this apparatus in the confined area during the operation so that the mains switch can be easily accessible.

1. Read these instructions before operating this apparatus.
2. Keep these instructions for future reference.
3. Heed all warnings to ensure safe operation.
4. Follow all instructions provided in this document.
5. Do not use this apparatus near water or in locations where condensation may occur.
6. Clean only with dry cloth. Do not use aerosol or liquid cleaners. Unplug this apparatus before cleaning.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plug, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK) NO USER SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED PERSONNEL		



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

CAUTION: Use of controls or adjustments or performance of procedures other than those specified may result in hazardous radiation exposure.



WM60 / WM70
Wireless Transmitters

USER'S MANUAL

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INTRODUCTION

Congratulations on your purchase of either the WM60 or WM70 wireless transmitter from Phonic. With either of these transmitters, and the Phonic WM-40 or WM-400 receivers, you are on your way to creating a completely wireless audio set up. The WM transmitters will provide you with high quality wireless signals sent over great distances, though will prove to be simple to use.

Please have a thorough read of this user's manual before operating the WM modules. Inside this guide you will find information on the ease of your wireless set up, as well as some great troubleshooting tips and a complete run-down on your modules' features. After reading, place the manual in an easy to remember place so that you can come back to it in future if ever necessary.

FEATURES

Common Features

- Operates on a UHF band, 614.175~804.800 MHz (FCC) 614.175-864.800 MHz (CE)
- 16 selectable UHF channels preset
- Internal squelch and mute circuit mode can resist extraneous noise

WM60 Additional Features

- Single channel stand-alone transmitter
- Signal/Clip indicator
- External power supply

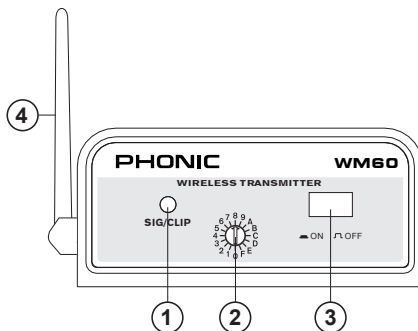
WM70 Additional Features

- Dual channel stand-alone transmitter
- Signal/Clip indicator
- Volume control to set the appropriate level to avoid clip
- Mono/Stereo switch for easy setting in mono or stereo sound system
- 16 preset channel encoder will decide the left and right channel frequencies automatically
- External power supply

WM60 TRANSMITTER

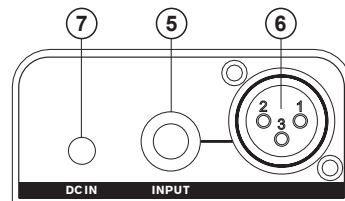
Front Panel

1. **Sig/Clip Indicator**– the LED indicator will light up green when a signal is being received by the WM60 transmitter. It will turn red when the signal level becomes excessive, just 4dB before clipping.
2. **Channel Selector**– adjusting this dial to one of the preset channels allows the WM60 to know which frequency to send the wireless information at. The wireless receiver should be set to the identical channel if transmission is to occur successfully.
3. **On/Off Button**– this button turns the WM60 on and off.
4. **Antenna**– this is the WM60's antenna. Adjust it so it sits in a vertical position when the device is in use (change the position if the wireless signal quality is poor). Push the antenna in to release it before adjusting its position.



Rear Panel

5. **1/4" Input**– this jack accepts balanced and unbalanced 1/4" inputs from line-level sources.
6. **XLR Input**– this jack accepts balanced XLR inputs from line-level sources. Both the 1/4" jack and the XLR jack run in parallel.
7. **DC In**– plug DC end of the supplied DC power adaptor into this jack, and the other end into a suitable AC power source to allow the WM60 to be powered.



For more information on using the WM wireless systems, please consult the WM-SYS1, 2, 3 or 4 manuals.

WM70 TRANSMITTER

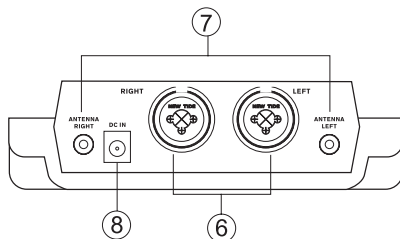
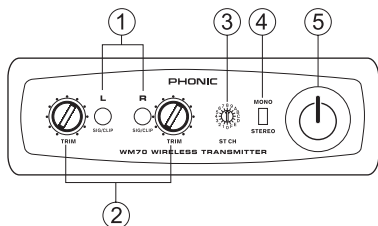
Front Panel

1. **Left and Right Sig/Clip Indicators** – the LED indicator will light up green when a signal is being received by the WM70 transmitter. It will change to red when the signal level becomes excessive, just 4dB before clipping.
2. **Trim Control** – these controls adjust the level of the signal received via the Combo inputs on the rear that will be sent wirelessly.
3. **Channel Selector** – adjusting this dial to one of the preset channels allows the WM70 to know which frequency to send the wireless information at. Each preset channel will transmit both the left and right signals, so that the WM40-L (or WM400-L, WM400D-L) and WM40-R (or WM400-R, WM400D-R) wireless receivers (if set to the identical channel) will receive the signal successfully.
4. **Stereo/Mono Selector** – This will allow users to change the wireless signal sent from the WM70 to be alternated between a mono and stereo signal.
5. **On/Off Button** – this button turns the

WM70 on and off. An LED will illuminate under this button when it is on.

Rear Panel

6. **Left and Right Combo Input** – this jack accepts both balanced and unbalanced 1/4" and XLR inputs from line-level sources (such as the main output of a mixer).
7. **Left and Right Antennas** – this for the insertion of the WM70's left and right antennas. Insert the antennas and adjust them to sit in a vertical position when the device is in use. Screw the antenna in to lock it into place.
8. **DC In** – plug DC end of the supplied DC power adaptor into this jack, and the other end into a suitable AC power source to allow the WM70 to be powered.



For more information on using the WM wireless systems, please consult the WM-SYS1, 2, 3 or 4 manuals.

SPECIFICATIONS

WM60

Type : Single Channel Transmitter

RF Frequency : 614.175~804.800 MHz (FCC)
614.175-864.800 MHz (CE)

Oscillation Type : PLL

Preset Channels : 16 Channels

Frequency Response : 50 Hz ~ 18 kHz ± 3 dB

Bandwidth : 24 MHz

Stability : $\pm 0.005\%$

Frequency Deviation : ± 40 kHz

LED Indicators : Power On/Off, Sig/Clip

Power : External Adaptor, 12 VDC

Output Power : <50 mW

Overall Dimensions : 98x35x126 mm (2.83" x 1.38" x 4.96")

Net Weight : 350 g (0.77 lbs)

WM70

Type : Dual Channel Transmitter

RF Frequency : 614.175~804.800 MHz (FCC)
614.175-864.800 MHz (CE)

Oscillation Type : PLL

Preset Channels : 16 Channels (stereo)

Frequency Response : 50 Hz ~ 18 kHz ± 3 dB

Bandwidth : 24 MHz

Stability : $\pm 0.005\%$

Frequency Deviation : ± 40 kHz

LED Indicators : Power On/Off, Sig/Clip

Power : External Adaptor, 12 VDC

Output Power : <50 mW

Overall Dimensions : 140 x 43.5 x 179 mm (5.5" x 1.7" x 7")

Net Weight : 325 g (0.72 lbs)

TO PURCHASE ADDITIONAL PHONIC GEAR AND ACCESSORIES

To purchase Phonic gear and optional accessories, contact any authorized Phonic distributor. For a list of Phonic distributors please visit our website at www.phonic.com and click on Get Gear. You may also contact Phonic directly and we will assist you in locating a distributor near you.

SERVICE AND REPAIR

For replacement parts, service and repairs please contact the Phonic distributor in your country. Phonic does not release service manuals to consumers, and advice users to not attempt any self repairs, as doing so voids all warranties. You can locate a dealer near you at <http://www.phonic.com/where/>.

WARRANTY INFORMATION

Phonic stands behind every product we make with a no-hassles warranty. Warranty coverage may be extended, depending on your region. Phonic Corporation warrants this product for a minimum of one year from the original date of purchase against defects in material and workmanship under use as instructed by the user's manual. Phonic, at its option, shall repair or replace the defective unit covered by this warranty. Please retain the dated sales receipt as evidence of the date of purchase. You will need it for any warranty service. No returns or repairs will be accepted without a proper RMA number (return merchandise authorization). In order to keep this warranty in effect, the product must have been handled and used as prescribed in the instructions accompanying this warranty. Any tempering of the product or attempts of self repair voids all warranty. This warranty does not cover any damage due to accident, misuse, abuse, or negligence. This warranty is valid only if the product was purchased new from an authorized Phonic dealer/distributor. For complete warranty policy information, please visit <http://www.phonic.com/warranty/>.

CUSTOMER SERVICE AND TECHNICAL SUPPORT

We encourage you to visit our online help at <http://www.phonic.com/support/>. There you can find answers to frequently asked questions, tech tips, driver downloads, returns instruction and other helpful information. We make every effort to answer your questions within one business day.

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