

## XM50F XM50R

5.25" COAXIAL SPEAKERS DESIGNED AND ENGINEERED TO CONNECT AND MOUNT TO 2006-2013 HARLEY-DAVIDSON® TOURING MODEL MOTORCYCLES WITH ADVANCED AUDIO RADIOS OR 1998-2013 HARLEY-DAVIDSON® TOURING MODEL MOTORCYCLES WITH 2 OHM STABLE AMPLIFIERS INSTALLED

### INSTRUCTION MANUAL

JVCKENWOOD Corporation

**Take the time to read through this instruction manual.**

**Familiarity with installation and operation procedures will help you obtain the best performance from your new power amplifier.**

#### **For your records**

Record the serial number, found on the back of the unit, in the spaces designated on the warranty card, and in the space provided below. Refer to the model and serial numbers whenever you call upon your KENWOOD dealer for information or service on the product.

Model XM50F Serial number \_\_\_\_\_

Model XM50R Serial number \_\_\_\_\_



***US Residents Only***

**Register Online**

Register your KENWOOD product at <https://registerkenwood.us.jvckenwood.com/>

# Safety precautions

## CAUTION

**To avoid the risk of human injury or property damage, be sure to read and observe the following safety precautions:**

- Consult a professional technician for installing and connecting the speaker. — Incorrect installation may lead to traffic accidents or malfunctions.
- Avoid installation where the speaker is unstable. — Make sure that the speaker is stationary and does not rattle. Displacement of the speaker may cause injury.
- Do not modify the speaker. — Doing so may result in smoke or fire.
- Keep the volume of sound at an optimum level. — Not being able to hear sounds from your surroundings can lead to traffic accidents.
- In case of abnormality, stop the use and disconnect the speaker. — If operation is continued, smoke or fire may result. Disconnect the speaker and ask servicing.
- Always wear protective eyewear during installation.
- To prevent short-circuit, keep all wiring away from moving parts, sharp edges, cut metal, etc.
- When removing or installing the grille, be careful not to brush the unit with the edge of the grille.
- Do not switch ON power until wiring is completed.

## FOR PROPER INSTALLATION AND USE

**Please read the instructions carefully before using this speaker:**

- Be careful not to accidentally kick or apply any sort of strong impact to the speaker.
- To prevent damaging the speaker, turn off the power of the amplifier before connecting it to the speaker.
- Do not use the provided parts for other purposes. Otherwise malfunction or fire hazard could result.

## NOTE

**Observe the following cautions to prevent damage to the speakers:**

- You cannot input the same power as “peak power” continually.
- When the volume is set too high, the sound may be distorted or abnormal. Reduce the volume promptly in case of such phenomena.

**KENWOOD XM50F and XM50R speakers will work best when powered by an amplifier. They have an impedance of 2 ohm and will cause damage if wired directly to the built-in radio power in '98-'05 factory Harley Davidson® motorcycles.**

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# Section 1 - XM50F Front Speaker Installation

## Instructions

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### ■ Installation procedure

1. With your ignition switch in the "OFF" position, remove your outer fairing/headlamp assembly and set it aside. Refer to a service manual if you need help with this. It's always a good idea to have a towel or something similar on your front fender to avoid dings or scratches if anything is dropped.
2. Take the 2 wires off each speaker by gently pulling one at a time. Undo the screws that attach each speaker/grille assembly to the inner fairing and remove them. Gently pull the stock speaker out of each grille assembly.
3. Although the XM50F speakers will work behind the factory grille cloth, the metal mesh grilles in this kit are designed to replace the front speaker grille cloth on 1998-2013 HD Street Glides, Ultras, Classics, and Standards. The factory grille cloth is glued to a plastic mesh, and together, is two-way taped to the main body of the grille assembly. You can usually peel away the mesh from the body of the grille by hand. With the factory grille cloth/mesh off, you should see the exposed two-way tape used to hold the factory mesh on the main grille body. Before applying the new mesh, have a look as you will see it only "lines up" one way.
4. "Clip" the XM50F speaker into each grille assembly so the speaker terminals are adjacent to the thickest part of the speaker/grille assembly. When installed, this puts the speaker terminals in the 12 o'clock (top) position. You DO NOT want the speaker connectors in the 6 o'clock (bottom) position, as they may short out against the silver horizontal fairing bracket. Place your new speaker/grille assembly onto the inner fairing and re-attach each one using the OE screws. A hand screwdriver is recommended for this step.
5. Since these speakers are a direct replacement for the OE speakers, the female OE "in-line" connectors mate with the male connectors on each speaker and only go on one way. If you are replacing previously installed aftermarket speakers, you may need to re-install the correct sized connectors (not supplied) onto the factory speaker wires, noting that the smaller connector is the positive (+).
6. Once you are confident the factory wires are correctly attached to the new speakers, turn on your radio to confirm that both speakers are playing. Then, re-install your fairing/headlamp assembly.

## Section 2 - XM50R Rear Speaker Installation

### Instructions

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1. With your ignition switch in the "OFF" position, remove the factory speaker grilles by undoing the 4 screws on the front of the grilles. Carefully lift up each speaker and take the 2 wires off by pulling one at a time from the stock speaker. Then, remove the speakers.
  2. The female OE "in-line" speaker connectors mate with the male connectors on each speaker and only go on one way. If you are replacing previously installed aftermarket speakers, you may need to re-install the correct sized connectors (not supplied) onto the factory speaker wires. Once you are confident the factory wires are correctly attached to the new speakers, sit them in place, put the grilles back on, and then secure the speaker by reinstalling the 4 screws per grille.
- NOTE: The factory rubber "nutserts" on the rear pod side can be finicky. It's a good idea to get all 4 grille screws "started" and then get each one snug. Gradually tighten each one down making sure all 4 screws holding the grille down are secure!
3. Turn your radio on and confirm that both speakers are playing.

# KENWOOD LIMITED WARRANTY

This warranty will be honored only in the U.S.A.

## HOW LONG IS THE WARRANTY

JVCKENWOOD USA Corporation ("KENWOOD") warrants this product for a period of one (1) year from the date of original purchase.

## WHAT IS COVERED AND WHAT IS NOT COVERED

Except as specified below, this warranty covers all defects in material and workmanship in KENWOOD products.

The following are not covered by the warranty:

1. Any product which is not distributed in the USA by KENWOOD or which is not purchased in the USA from an authorized KENWOOD dealer or an automobile dealer, unless the product is purchased through the U.S.A. Military Exchange Service.
2. Any product on which the serial number has been defaced, modified or removed.
3. Damage, deterioration or malfunction resulting from:
  - a. Any shipment of the product (claims must be presented to the carrier).
  - b. Installation or removal of the product.
  - c. Accident, acts of nature, misuse, abuse, neglect, unauthorized product modification or failure to follow instructions supplied with the product.
  - d. Repair or attempted repair by anyone not authorized by KENWOOD.
  - e. Any other cause which does not relate to a product defect.

## WHO IS PROTECTED

This warranty is enforceable only by the original purchaser.

## WHAT WE WILL PAY FOR

We will pay for all labor and material expenses for covered items. Payment of shipping charges is discussed in the next section of this warranty.

## HOW TO OBTAIN WARRANTY SERVICE

If your KENWOOD product ever needs service:

1. Take or ship it to any KENWOOD Authorized Service Center in the USA along with a complete description of the problem. (if you are uncertain as to whether a Service Center is authorized, please call 1-800-KENWOOD (1-800-536-9663) for the nearest Service Center.
2. Although you must pay any shipping charges if it is necessary to ship the product for warranty service, we will pay the return shipping charges if the repairs are covered by the warranty within the United States.
3. Whenever your units are taken or sent for warranty service, you must include a copy of the original dated sales receipt as proof of warranty coverage.

## LIMITATION OF IMPLIED WARRANTIES

ALL IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE LENGTH OF THIS WARRANTY.

## EXCLUSION OF DAMAGES

KENWOOD'S LIABILITY FOR ANY DEFECTIVE PRODUCT IS LIMITED TO THE REPAIR OR REPLACEMENT OF THE PRODUCT AT OUR OPTION. KENWOOD SHALL NOT BE LIABLE FOR:

1. INSTALLATION OR REMOVAL CHARGES, DAMAGE TO OTHER PROPERTY CAUSED BY ANY DEFECTS IN KENWOOD CAR STEREO COMPONENTS, DAMAGES BASED UPON INCONVENIENCE, LOSS OF USE OF THE PRODUCT; OR
2. ANY OTHER DAMAGES, WHETHER INCIDENTAL, CONSEQUENTIAL OR OTHERWISE. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS AND/OR DO NOT THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND EXCLUSIONS MAY NOT APPLY TO YOU.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. If a problem develops during or after the Limited Warranty Period, or if you have any questions regarding the operation of the product, you should contact your KENWOOD Authorized Dealer or Authorized Service Center. If the problem or your question is not handled to your satisfaction, please contact our Customer Relations Department at the address listed below:

**KENWOOD USA CORPORATION**  
P.O. Box 22745, 4001 Worsham Avenue, Long Beach CA 90808  
Tel: (800) 536-9663  
[www.us.jvckenwood.com](http://www.us.jvckenwood.com)

## Important Notes

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**For updated information (the latest Instruction Manual, etc.),  
please visit the following website:**

**[https://manual.kenwood.com/en\\_contents/search/](https://manual.kenwood.com/en_contents/search/)**



# XM50F

## Features and Specifications

- IMPP Carbon Fiber Woofer Cones
- 1" (PEI) Dome Tweeters
- Metal Mesh Grills Included

Impedance: 2  $\Omega$

Mounting Depth: 2.45"

Sensitivity: 94dB

Frequency Response: 40-25kHz

RMS Power Handling: 150W

Peak Power Handling: 300W

## Caractéristiques et spécifications

- Cônes de woofer en fibre de carbone IMPP
- Tweeters à dôme 1" (PEI)
- Grilles en maille métallique incluses

Impédance : 2  $\Omega$

Profondeur de montage : 2,45"

Sensibilité : 94dB

Réponse en fréquence : 40-25 kHz

Gestion de la puissance RMS : 150 W

Gestion de la puissance maximale : 300 W