JVC KW-M650BT+SWT-S10

User Manual

JVC KW-M650BT Digital Media Receiver & Alpine SWT-S10 Subwoofer Bundle

Model: **KW-M650BT+SWT-S10** | Brand: **JVC**

Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your JVC KW-M650BT Digital Media Bluetooth Receiver and Alpine SWT-S10 Car Audio Subwoofer bundle. Please read this manual thoroughly before using the products to ensure safe and optimal performance. Keep this manual for future reference.

Product Overview

This bundle combines a versatile digital media receiver with a powerful bass tube subwoofer to enhance your in-car audio experience.

JVC KW-M650BT Digital Media Bluetooth Receiver



The JVC KW-M650BT is a 6.2-inch wide VGA digital media receiver designed for in-car entertainment and connectivity. It features a clear resistive touch panel for intuitive control and a customizable graphical user interface (GUI). Key features include:

- **Display:** 6.2" Wide VGA touch panel with variable key illumination color.
- **Media Playback:** Compatible with MP3, WMA, WAV, AAC, FLAC (up to 192kHz/24bit), H.264, WMV, MPEG 1/2/4, AVI/MKV, JPEG, PNG, BMP via USB.
- **Bluetooth Control:** Built-in Bluetooth Version 4.1 with wired microphone for hands-free calling (HFP1.7 Wideband Speech) and audio streaming (A2DP, AVRCP). Supports 2-phone full-time connection and 5 BT-Audio connections.
- **Smartphone Integration:** Android Auto and Apple CarPlay compatible for seamless smartphone connectivity.
- **Audio Features:** 3 preouts (4.0V), 50 Watts output wattage.



Image: JVC KW-M650BT packaging highlighting key features.

Alpine SWT-S10 Car Audio Subwoofer



The Alpine SWT-S10 is a 10-inch bass reflex subwoofer enclosed in a tube design, engineered to deliver powerful and deep bass. Its robust construction ensures durability and consistent performance. Key specifications include:

- **Subwoofer Type:** 10" (25CM) Bass Reflex Subwoofer Tube.
- **Power Handling:** 1200 Watts peak power, 250 Watts RMS power.
- **Frequency Response:** 35 - 200 Hz.
- **Design:** Stitched Alpine Logo, rubber surround, and push-type insert terminals.
- **Dimensions:** 11.22" x 23.62" (Enclosure: 11.25"W x 23.65"D).

Setup and Installation

Proper installation is crucial for the performance and longevity of your car audio system. It is highly recommended to have these components installed by a qualified professional car audio technician.

General Installation Guidelines:

1. **Disconnect Battery:** Before starting any electrical work, disconnect the negative terminal of your vehicle's battery to prevent short circuits.
2. **Mounting the Receiver:** The JVC KW-M650BT is a double-DIN unit. Ensure your vehicle's dashboard has adequate space for installation. Secure the receiver using the provided mounting hardware.
3. **Wiring Connections (JVC KW-M650BT):**

   Refer to the wiring diagram provided with your product for specific connections. Key connections include:

   - **Power:** Connect the yellow wire (constant 12V), red wire (switched 12V), and black wire (ground) to the vehicle's electrical system.
   - **Speakers:** Connect the speaker output wires to your vehicle's speakers.
   - **Antenna:** Connect the vehicle's antenna cable.
   - **Microphone:** Plug in the included wired microphone for hands-free calling.
   - **USB:** Connect USB devices for media playback or smartphone integration.
   - **RCA Preouts:** Use these for connecting external amplifiers, including the one for the subwoofer.
   - **Parking Brake/Reverse:** Connect these wires as per the diagram for safety features (e.g., video playback only when parked).



Image: Rear connections of the JVC KW-M650BT receiver.

4. **Subwoofer Placement (Alpine SWT-S10):** Place the bass tube securely in your vehicle's trunk or cargo area. Ensure it is stable and will not shift during driving.
5. **Subwoofer Wiring:** Connect the subwoofer to an appropriate amplifier (not included in this bundle) using suitable gauge speaker wire. The SWT-S10 has push-type insert terminals for easy connection. Ensure correct polarity (+ to + and - to -).
6. **Test System:** Once all connections are made, reconnect the battery and test the system's functionality before reassembling the dashboard or interior panels.

Always consult the detailed installation guide provided with each component for specific wiring diagrams and

safety precautions.

Operating Instructions

JVC KW-M650BT Receiver Operation:

1. **Power On/Off:** Press the power button (usually located on the front panel) to turn the unit on or off.
2. **Volume Control:** Use the on-screen touch controls or physical buttons (if available) to adjust the volume.
3. **Source Selection:** Tap the "Source" or "Home" icon on the touchscreen to select your desired audio source (e.g., Tuner, Bluetooth Audio, USB, Apple CarPlay, Android Auto).
4. **Bluetooth Pairing:**
    - Enable Bluetooth on your mobile device.
    - On the receiver, navigate to the Bluetooth settings menu.
    - Select "Pairing" or "Add Device" and search for available devices.
    - Select "KW-M650BT" from your device's list and confirm the pairing code if prompted.
    - Once paired, you can stream audio or make hands-free calls.
5. **USB Playback:** Connect a USB flash drive with compatible audio/video files or your smartphone via USB for Apple CarPlay or Android Auto. The unit will automatically detect the device and display playback options.
6. **Tuner Operation:** Select the "Tuner" source. Use the on-screen controls to scan for stations, save presets, and switch between AM/FM bands.
7. **Smartphone Integration (Apple CarPlay/Android Auto):** Connect your compatible smartphone via USB. Follow the on-screen prompts to enable CarPlay or Android Auto, allowing access to navigation, music, messages, and more directly from the receiver's display.

Alpine SWT-S10 Subwoofer Operation:

The Alpine SWT-S10 is a passive subwoofer, meaning its operation is controlled by the amplifier it is connected to and the JVC receiver's audio output settings. Ensure your amplifier is properly configured for the subwoofer's impedance and power handling. Adjust bass levels and crossover frequencies through your amplifier or the JVC receiver's audio settings for optimal sound.

Maintenance

Regular maintenance helps ensure the longevity and performance of your JVC receiver and Alpine subwoofer.

- **Cleaning the Receiver Screen:** Use a soft, dry cloth to gently wipe the touchscreen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid abrasive materials or harsh chemicals.
- **Cleaning the Unit:** Wipe the exterior of the receiver and subwoofer with a soft, dry cloth to remove dust.
- **Subwoofer Care:** Keep the subwoofer enclosure clean and free from debris. Avoid placing heavy objects on the subwoofer or exposing it to excessive moisture or direct sunlight.
- **Connection Checks:** Periodically check all wiring connections to ensure they are secure and free from

corrosion.

- **Environmental Conditions:** Avoid exposing the units to extreme temperatures, humidity, or direct sunlight for prolonged periods.

Troubleshooting

If you encounter issues with your JVC receiver or Alpine subwoofer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Power to Receiver	Blown fuse, incorrect wiring, disconnected battery.	Check the inline fuse on the power wire. Verify all power and ground connections are secure. Ensure vehicle battery is connected.
No Sound from Speakers	Volume too low, incorrect source selected, speaker wires disconnected, amplifier issues (if external).	Increase volume. Select correct audio source. Check speaker wire connections. Ensure external amplifier (if used) is powered on and functioning.
No Bass from Subwoofer	Subwoofer not connected to amplifier, amplifier not powered, incorrect amplifier settings, RCA cables loose.	Verify subwoofer is connected to amplifier. Check amplifier power and settings (gain, crossover). Ensure RCA cables from receiver to amplifier are secure.
Bluetooth Pairing Failure	Bluetooth not enabled on device/receiver, device too far, interference.	Ensure Bluetooth is active on both devices. Place devices closer. Try restarting both devices. Delete previous pairings and re-attempt.
Distorted Audio	Volume too high, improper gain settings on amplifier, poor wiring.	Reduce volume. Adjust amplifier gain settings. Check speaker and RCA cable connections for shorts or loose wires.

If the problem persists after trying these solutions, contact customer support or a qualified technician.

Specifications

Detailed technical specifications for the JVC KW-M650BT and Alpine SWT-S10.

JVC KW-M650BT Receiver:

- **Screen Size:** 6.2" Wide VGA
- **Touch Panel:** Clear Resistive
- **Bluetooth:** Version 4.1 (HFP1.7, A2DP, AVRCP)
- **USB Compatibility:** MP3, WMA, WAV, AAC, FLAC (up to 192kHz/24bit), H.264, WMV, MPEG 1/2/4, AVI/MKV, JPEG, PNG, BMP

- **Smartphone Integration:** Android Auto, Apple CarPlay
- **Preouts:** 3 (4.0V)
- **Output Wattage:** 50 Watts (per channel, typical max)
- **Connectivity Technology:** Bluetooth
- **Control Method:** Touch, Voice
- **Supported Internet Services:** Pandora, SiriusXM, Spotify
- **Item Weight:** Approximately 10.2 pounds (for the bundle)
- **Manufacturer:** JVC
- **Model Number:** KW-M650BT

Alpine SWT-S10 Subwoofer:

- **Subwoofer Type:** 10" (25CM) Bass Reflex Subwoofer Tube
- **Peak Power Handling:** 1200 Watts
- **RMS Power Handling:** 250 Watts
- **Frequency Response:** 35 - 200 Hz
- **Nominal Impedance:** 4-Ohm
- **Dimensions:** 11.22" x 23.62" (Subwoofer), 11.25"W x 23.65"D (Enclosure)



Image: JVC KW-M650BT rear label with model and compliance information.

Warranty Information

Warranty coverage for the JVC KW-M650BT Digital Media Receiver and Alpine SWT-S10 Car Audio Subwoofer is provided by their respective manufacturers. Please refer to the warranty card or documentation included with your product packaging for specific terms, conditions, and duration of coverage. Retain your proof of purchase for warranty claims.
For detailed warranty information, please visit the official JVC and Alpine websites or contact their customer support directly.

Customer Support

For technical assistance, troubleshooting, or product inquiries, please contact JVC customer support:

- **Toll-Free Support:** 1 (800) 252-5722
- **Website:** www.us.jvc.com

For support regarding the Alpine SWT-S10 Subwoofer, please refer to Alpine's official support channels.



Image: JVC Quick Start Guide cover showing support contact details.

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