DESIGNED TO MOVE [YOU]®

JWM12A
MOBILE AUDIO SYSTEM

Owner's Manual
## CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction</td>
<td>3</td>
</tr>
<tr>
<td>Installation</td>
<td>4</td>
</tr>
<tr>
<td>Wiring</td>
<td>5</td>
</tr>
<tr>
<td>Basic Operation</td>
<td>6</td>
</tr>
<tr>
<td>Tuner Operation</td>
<td>7</td>
</tr>
<tr>
<td>Bluetooth Operation</td>
<td>8</td>
</tr>
<tr>
<td>APP Operation</td>
<td>9</td>
</tr>
<tr>
<td>Specifications</td>
<td>9</td>
</tr>
</tbody>
</table>
INTRODUCTION

Thank You!
Thank you for choosing a Jensen product. We hope you will find the instructions in this owner’s manual clear and easy to follow. If you take a few minutes to look through it, you’ll learn how to use all the features of your new Jensen receiver for maximum enjoyment.

Features
Features of Jensen JWM12A mobile audio system include:
• Backlit Controls and Display
• AM/FM Tuner/30 Preset station (12 AM/18 FM)
• Bluetooth Ready with A2DP/AVRCP streaming Audio
• APP Ready
• Electronic Bass, Treble, Balance and Fader Controls
• Time/Alarm Clock
• 1/8" Front Aux Audio Input
• Rear Audio RCA Input
• 4 Speaker Outputs (2 zones)

Precautions
• Use the Proper Power Supply
  This product is designed to operate with a 12 volt DC, negative ground battery system (the standard system in a North American vehicle).
• Use Authorized Service Centers.
  Do not attempt to disassemble or adjust this precision product; contact a professional for assistance.
• Avoid Moisture
  To reduce the risk of fire or electric shock, do not expose this equipment to rain or moisture.
• Avoid Cleaning Products.
  The front of this unit should only be cleaned with a slightly damp cloth. Do not use cleansers.
• Use Recommended Accessories.
  TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK AND ANNOYING INTERFERENCE, USE ONLY THE RECOMMENDED ACCESSORIES.
INSTALLATION

It's a good idea to read all of the instructions before beginning the installation. We recommend having your Jensen JWM12A installed by a reputable RV dealership.

Tools and Supplies
You will need these tools and supplies to install your JWM12A:
- Phillips screwdriver
- Wire cutters and strippers
- Tools to remove existing radio (screwdriver, socket wrench set or other tools)
- Electrical tape
- Crimping tool
- Volt meter/test light
- Crimp connections
- 16 gauge wire for power connections
- 16 –18 gauge speaker wire

Disconnecting the Battery
To prevent a short circuit, be sure to turn off the ignition and remove the negative (-) battery cable prior to installation.

NOTE: If the JWM12A is to be installed in a vehicle equipped with an on-board drive or navigation computer, do not disconnect the battery cable. If the cable is disconnected, the computer memory may be lost. Under these conditions, use extra caution during installation to avoid causing a short circuit.

Selecting the Mounting Location
Select a mounting location, taking care to avoid the following:
- Places exposed to heat-radiating appliances such as electric heaters
- Adjacent to other equipment that radiates heat
- Poorly-ventilated or dusty places
- Moist or humid locations

Mounting the Radio
- Use the mounting hole diagram to measure and cut a mounting hole
- Route power, speakers, AV, and antenna cables through the hole and connect
- Check and ensure correct operation
- Mount the unit using two M3x20mm (3/32 x 0.75”) screws
- Attach Trim ring
### WIRING
The wiring diagram depicts all the wiring connections required for proper operation of the unit.

#### DETAIL A
SHOWN FROM PIN VIEW

<table>
<thead>
<tr>
<th>PIN NO.</th>
<th>WIRE COLOR</th>
<th>FUNCTION (Label Contents)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>BLACK</td>
<td>A-GND</td>
</tr>
<tr>
<td>2</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>3</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>4</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>5</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>6</td>
<td>GRAY</td>
<td>RIGHT(A) SPEAKER(+)</td>
</tr>
<tr>
<td>7</td>
<td>GRAY/BLACK</td>
<td>RIGHT(A) SPEAKER(-)</td>
</tr>
<tr>
<td>8</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>9</td>
<td>WHITE/BLACK</td>
<td>LEFT(A) SPEAKER(-)</td>
</tr>
<tr>
<td>10</td>
<td>WHITE</td>
<td>LEFT(A) SPEAKER(+)</td>
</tr>
<tr>
<td>11</td>
<td>RED</td>
<td>REAR AUX IN_R</td>
</tr>
<tr>
<td>12</td>
<td>WHITE</td>
<td>REAR AUX IN_L</td>
</tr>
<tr>
<td>13</td>
<td>BLACK</td>
<td>A-GND</td>
</tr>
<tr>
<td>14</td>
<td>BLUE</td>
<td>AMP REMOTE(+12VDC 100MA)</td>
</tr>
<tr>
<td>15</td>
<td>RED</td>
<td>+12VDC SWITCHED</td>
</tr>
<tr>
<td>16</td>
<td>BLACK</td>
<td>GROUND</td>
</tr>
<tr>
<td>17</td>
<td>VIOLET</td>
<td>RIGHT(B) SPEAKER(+)</td>
</tr>
<tr>
<td>18</td>
<td>VIOLET/BLACK</td>
<td>RIGHT(B) SPEAKER(-)</td>
</tr>
<tr>
<td>19</td>
<td>LIGHT GREEN/BLACK</td>
<td>LEFT(B) SPEAKER(-)</td>
</tr>
<tr>
<td>20</td>
<td>LIGHT GREEN</td>
<td>LEFT(B) SPEAKER(+)</td>
</tr>
</tbody>
</table>

![Diagram of wiring connections]
**BASIC OPERATION**

**Power**
Press the **POWER/MODE** button (3) to turn the unit on.
Press and hold the **POWER/MODE** button (3) to enter standby mode from unit on.

**Mode**
After unit turn on, press the **POWER/MODE** button (3) to cycle through available modes and choose the desired mode.

**Volume control**
Press the **VOLUME** button to increase the volume output. Press and hold the **VOLUME** button to increase the volume output continuously.
Press the **VOLUME** button to decrease the volume output. Press and hold the **VOLUME** button to decrease the volume output continuously.

**Audio menu setting**
Press the **AUDIO/SETTING** button (4) to choose the following audio menu list:
- **Audio Adjustment**
  - BAS: Adjust the Bass level from "-7" to "+7".
  - TRE: Adjust the treble from "-7" to "+7".
  - BAL: Adjust the speaker output balance between "L7" (left) and "R7" (right). "BAL 0" indicates an equal balance between the left and right speakers.
  - LOUD: Toggle the loudness on/off. When listening to music at low volumes, this feature will boost the bass/treble ranges to compensate for the characteristics of human hearing.
  - Use the **VOLUME** button to make adjustments in each menu item.

**System menu setting**
Press and hold the **AUDIO/SETTING** button to enter system menu list and press **AUDIO/SETTING** once again to choose the following system menu list:

- **Liquid Crystal Display(LCD)Back Light**
  - Dimmer: Adjust the brightness of the LCD from "BRI 9" (brightest) to "BRI 0" (off).

**NOTE:** When subjected to cold temperatures for an extended period of time, LCD panels will take longer to illuminate and the display visibility may slightly decrease. Optimal LCD operation will return to normal when the temperature increases to a normal range.

**Sleep Mode**
- Sleep: The Sleep Timer will automatically turn off the JWM12A in the designated number of minutes. To set the Sleep Time, press To set the Sleep Time, press **VOLUME** repeatedly to change the sleep time from 0(off), 15, 30, 45 or 60 minutes.

**Setting the alarm**
- Alarm ON/OFF: Press **VOLUME** button (1) to turn on and off the alarm. The "ALARM" icon will show on the display.
- Press the **VOLUME** button (2) to adjust the hour or press the **VOLUME** button (1) to adjust the minute.

**Setting the Bluetooth**
- BT ON/OFF: Press the **VOLUME** button to turn on and off the Bluetooth function
- BT DEV (Locked/Unlocked, Disconnect/Connect, Delete) : View, lock and delete from a list of previously paired mobile device models.
- BT PAIR: Press **BAND/ENTER** to start pairing with a Bluetooth enabled device.
- Preset Volume (PVOL): Select an automatic turn on volume.

**Reset**
RESET: Press **BAND/ENTER** button (7) reset the to factory default settings. This function will time out after 5 seconds of inactivity and the unit will resume normal operation.

**Auxiliary Input Function**
When a portable audio device is connected to the unit, press the **POWER/MODE** button(3) repeatedly until AUX 1/ AUX 2 mode is selectable. To connect a portable audio device, insert a standard 3.5mm(audio line output or headphone output from your portable CD/MP3 iPod or other media) into the AUX IN connector(8) on the front of the unit or the AUX-IN RCA jack(AUX AUDIO INPUT) on the rear of the unit.
**Auxiliary Input Connector**
For front panel audio input, an external audio source can be connected with a 3.5mm audio cable adapter. Connect the device to the AUX IN connector (6) on the front panel. In addition to front panel auxiliary input source, the external audio source can also be connected to the RCA audio input through the AUX AUDIO INPUT jack on the rear of the unit.

**Clock Display**
Press the VIEW/SET button (8) to alternate the display between Playback mode and clock time while in Tuner, Bluetooth or auxiliary input mode.

**Clock Setup**
Press and hold the VIEW/SET button (8) to access Clock Setup mode. The number representing the hours and minutes will flash. Press VOLUME buttons to adjust the hour. Press the VOLUME buttons to adjust the minutes. The new time will be saved 5 seconds after the last adjustment is made.

**Zone Output**
The two zone output buttons (11)/(12) (ZONE A and ZONE B) control zone output from the radio. Press any of the two buttons to turn the corresponding speaker sets on or off.

**TUNER OPERATION**

![Tuner Interface](image)

**Select a Band**
Press BAND/ENTER (7) to change between three FM bands (FM1, FM2 and FM3) and two AM bands (AM1 and AM2).

**Manual Tuning**
Press the tune up (15) or tune down (13) buttons to tune the frequency one step higher or lower. Press and hold to seek tune to next strong station.

**Preset Stations**
Six numbered preset buttons store and recall stations for each AM and FM band.

**Store Preset Stations**
Select a band (if needed), then select a station. Hold a preset button for one second. The current station will be stored, and the corresponding preset number will appear in the display.

**Recall Preset Stations**
Select a band (if needed). Press a preset button momentarily, and the unit will tune to the corresponding stored station.

**Automatically Store / Preset Scan (AS/PS)**

**Automatically Store**
Press and hold the AS/PS button (5) for more than one second, and the unit will automatically scan for and store six strong stations for all bands. To stop this function before the automatic storing is complete, press AS/PS again.

**Preset Scan**
Press AS/PS to scan all preset stations in the current band. The unit will play each station for five seconds before moving on to the next station. To stop this function and play the current station, press the AS/PS button again.
BLUETOOTH OPERATION

The JWM12A includes built-in Bluetooth technology that allows you to connect this head unit to Bluetooth-enabled devices for streaming audio playback.

About Bluetooth Technology

Bluetooth wireless technology is a short-range wireless radio protocol. Operating in the 2.4 GHz range, it transmits audio and data at speeds up to 2.1 Mbit/s over a range of up to 10 meters.

Pairing a Bluetooth

Before you begin, consult the owner's manual for the Bluetooth device you want to pair with the JWM12A.

1. Make sure the device you want to pair is on and ready to receive a signal from the JWM12A. To begin pairing, press and hold the $ PAIR button (10). The unit will automatically attempt to pair to available devices. When pairing with a smartphone, the JWM12A becomes "discoverable" by your smartphone and can be paired using the phone menu.
2. When the Bluetooth device has completed its search, the mobile phone will display the Bluetooth device name (JWM12A).
3. Select JWM12A.
4. Enter the pairing password (0000), if requested.
5. If successful, the unit will display "BT PAUSE".

Bluetooth Audio(A2DP)

The A2DP music is available for Bluetooth enabled phones when the phone is connected. To access Bluetooth mode and play songs stored on your phone, press the $ PAIR button (10). While in BT mode $ PAIR, the "BT AUDIO" is displayed on the LCD.

Selecting Tracks

During playback, press the tune up >>|(15) or tune down |<<(13) to play the previous or next track.

Pausing Playback

During playback, press the ►| button(14) to pause the BT AUDIO player. Press ►| again to resume playback. If you change to another mode, the mobile phone audio will pause. Press the $ PAIR button (10) to return to BT mode and resume mobile phone audio playback.

NOTE: If a Bluetooth device is disconnected due to the power being turned off or if the device is out of range, the unit will automatically search for the matching Bluetooth mobile device when the power is restored.

Bluetooh Menu Options

1. Press the $ PAIR button (10) to enter menu adjustment mode.
2. With "Device" displayed, press the VOLUME ▲/▼ buttons to select.
3. Press the VOLUME ▲/▼ buttons to view paired BT devices and press BAND/ENTER(7) button to select.
4. Once a device is selected, press the VOLUME ▲/▼ buttons to choose one of the following options: connect/disconnect, locked/unlocked or delete (delete displays only if the device is not connected).
   - LOCKED/UNLOCKED: The JWM12A can store up to 5 devices for BT connection. The devices are stored in FIFO (First In First Out) order. To prevent a device from being bumped from the list when more than 5 devices are used, you must lock the device. To Lock/Unlock a device, press the BAND/ENTER button.
   - DISCONNECT: To disconnect a paired device, press the BAND/ENTER button to temporarily remove the BT link. The link can be re-established through your phone menu by selecting the JWM12A for connection.
   - DELETE: To delete a device from the list, press the BAND/ENTER button.

5. Press the BAND/ENTER button to enter.
APP OPERATION

JENSEN® Specialty Controller is the ultimate wireless remote control for your JENSEN stereo system. Store away your old remotes and enjoy the convenience of all the primary functions of your JENSEN stereo right from your phone or tablet by transforming your mobile device into a functional stereo remote control!

FEATURES

This app controls all of the primary functions of your stereo features including:

- Power on/off
- Volume and mute
- AM/FM radio tuner: access station, recall, store presets, switch songs
- Bluetooth® streaming audio
- Auxiliary audio input control – auxiliary analog 1 & 2, auxiliary digital coaxial, auxiliary digital optical
- Speaker selection A and/or B
- Audio menu controls: bass, treble, balance, volume and speaker selection settings
- Clock with sleep time and alarm
- Visual display feedback so you can see artist title and album on your mobile screen

Connecting and using jControl app

After downloading and installing jControl app on your apple device. pair your device to the JWM12A as stated above for Bluetooth paring. Once your device is paired you can open the app and use as instructed with the jControl app manual found at http://asaelectronics.com/manuals-guides.

When jControl is installed on Android operating system, close the app before Bluetooth pairing, otherwise there may be errors on Bluetooth connection.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>General</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Supply Requirements</td>
<td>DC12 Volts, Negative Ground</td>
</tr>
<tr>
<td>Operating Voltage</td>
<td>10-16 VDC</td>
</tr>
<tr>
<td>Overall Dimensions</td>
<td>10.4”(W) x 2.8”(H) x 3.6”(D)</td>
</tr>
<tr>
<td>Weight</td>
<td>1.0 lbs. (0.39Kg)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FM Tuner</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuner Range</td>
<td>87.5-107.9 Mhz</td>
</tr>
<tr>
<td>Sensitivity</td>
<td>&lt;5 µV</td>
</tr>
<tr>
<td>Stereo Separation @ 1kHz</td>
<td>&gt;30 dB</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AM Tuner</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuner Range</td>
<td>530-1710 kHz</td>
</tr>
<tr>
<td>Sensitivity</td>
<td>&lt;30 µV</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Amplifier</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Output Power per Channel</td>
<td>4 x 6 Watts</td>
</tr>
<tr>
<td>Output Impedance</td>
<td>Compatible with 4-8 ohms speakers, 4 ohm load minimum</td>
</tr>
<tr>
<td>Total System Power</td>
<td>24 Watts Maximum</td>
</tr>
</tbody>
</table>

Specifications subject to change without notice.

FCC Notice

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

--- Reorient or relocate the receiving antenna.
--- Increase the separation between the equipment and receiver.
--- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
--- Consult the dealer or an experienced radio/TV technician for help.

WARNING: Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

This equipment complied with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user’s authority to operate the equipment.