JDM118BT

INSTALLATION MANUAL / USER'S MANUAL

AM/FM Receiver with Bluetooth and Detachable front panel

MP3

USB   AUX

❖ Bluetooth®

JENSEN®

CONTENTS

PRECAUTIONS

Precautions & Warnings
- To reduce the risk of fire, electric shock, and interfer-ence, do not attempt to repair this unit yourself. Refer all service to a qualified technician.
- Some MP3/WMA files may not be playable.
- Keep the volume at a reasonable level to avoid distracted driving. High volume levels may make it difficult to concentrate on traffic and road conditions while driving.
- If the car has been in direct sunlight for an extended period, you may need to reduce the temperature inside the car before turning on and using the unit.
- If the battery is disconnected, discharged, or changed, the preset memory of the unit will be lost and require reprogramming.
- The unit is designed to be installed in a level,horizontal position. For optimal performance, avoid installing the unit at an angle.
- Never use excessive force when removing or attaching the faceplate. Do not tightly grip the display and buttons to avoid damage.

Lithium Battery Cell Warnings
- Cell leakage may cause damage to the remote control.
- Do not throw cells into as this may cause an explosion.
- Keep battery cells out of reach of children.

Drives and connections
Never place any foreign objects into the openings of the car radio (USB jack, card slot, AUX IN connection). Otherwise you might damage the slots and connections.

Others Warnings
Do not switch on the car radio for long periods of time when the motor is switched off.
This could cause the car battery to discharge and the vehicle can no longer be started.

INSTALLATION

Installation Procedures
First complete the electrical connections and then check for correctness.

Installation Opening
This unit can be installed in any dashboard Having an opening as shown the right figure.

53 mm

182 mm
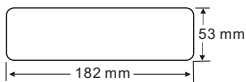
To Install the Car Radio

Be sure you test all connections first, and then follow these steps to install this unit.
1. Make sure the ignition is turned off, and then disconnect the cable from the vehicle battery's negative (-) terminal.
2. Disconnect the wire harness and the antenna.
3. Lift the left or right top corner of the plastic outer trim ring then pull it out to remove it.
4. Insert the two bracket keys into the left and right side of the chassis, as shown the below figure to separate the chassis from the housing.

Bracket key

Bracket key

Plastic outer trim ring
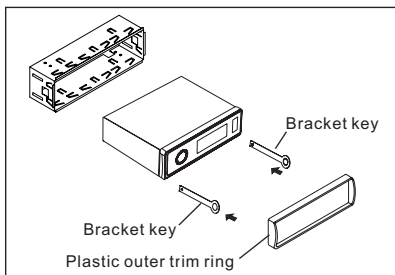
5. Insert mounting sleeve into the dashboard and bend the mounting tabs out with a screwdriver. Make sure that the lock lever is flush with the mounting sleeve and is not projecting beyond.
6. Insert car radio into the mounting sleeve.
7. Make wiring connections, as illustrated in the "Wiring Diagram."
8. Install the plastic outer trim ring.

Wiring Connections

WIRING DIAGRAM

Radio Antenna Socket ←

10A → FUSE 10A

Front Left CH RCA Output (white) ←
Front Right CH RCA Output (red) ←
Rear Right CH RCA Output (red) ←
Rear Left CH RCA Output (white) ←

GND/ground (Black)
Power/battery (Yellow)
ACC/ignition (Red)
ANT/aerial (BLUE)

Purple — Rear Right Speaker
Purple/Black
Gray — Front Right Speaker
Gray/Black
White — Front Left Speaker
White/Black
Green — Rear Left Speaker
Green/Black

CAUTION
+12V DC
NEGATIVE
GROUND
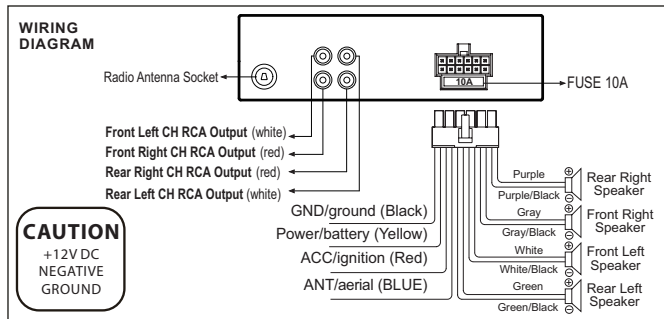
- Only use speakers with 4 ohms impedance.
- Do not attach the control panel to the chassis before wiring is complete.
- The maximum current of the auto antenna is 200mA.

Removal of the Main Unit

1. Remove the plastic trim out from the main unit.
2. Insert a bracket key into the left and right side of the main unit and draw the unit out of the mounting sleeve.

CONTROL PANEL BUTTON LOCATIONS
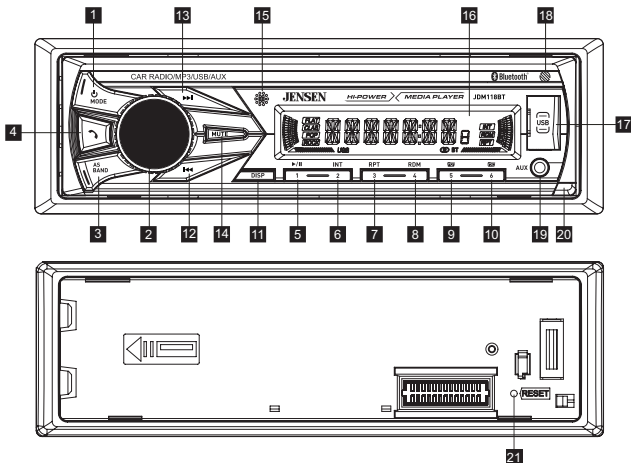
1. ⏻ (power)/MODE (source) button
2. SEL (select/menu) button and VOL (volume) knob
3. BAND(band) button, AS (automatic store / preset station scan) button
4. ☎ button
5. ▶❚❚ (pause/play), Preset station1 button
6. INT (intro), Preset station 2 button
7. RPT (repeat), Preset station 3 button
8. RDM (random), Preset station 4 button
9. ▣ (previous folder, previous 10 tracks), Preset station 5 button
10. ▣ (next folder, next 10 tracks), Preset station 6 button
11. DISP (clock setting) button
12. ◄◄ (tune down, seek down,track down, fast reverse) button
13. ►► (tune up, seek up, track up, fast forward)button
14. MUTE button
15. IR remote control sensor
16. LCD Display
17. USB port
18. MIC hole(built-in Microphone)
19. AUX IN (auxiliary input) jack
20. ⏏ (Release) button
21. RESET button

GENERAL OPERATION

Turn Unit On/Off
• Press the power (⏻) /MODE button on the front panel to turn on the unit, and long press it
  again to turn off the unit.
• Press the power (⏻) button on the remote control to turn the unit on or off.

Adjust Volume (VOL)
Rotate the **VOL** knob on the front panel or press the **VOL** ⋀ /**VOL** ⋁ button on the remote
control to increase or decrease the volume level.

Adjust Menu Options (SEL)
• Press the **SEL** button on the front panel or **AUDIO** on the remote control repeatedly to cycle
  through the following adjustable audio functions: BASS, TREBLE, BALANCE, FADER, EQ
  OFF, CLASS/ROCK/POP/ FLAT, LOUD ON/OFF.

               - BASS: -7,-6, ~, -1, 0, +1,~, +6,+7
               - TREBLE: -7,-6, ~, -1, 0,+1,~, +6,+7
               - BALANCE: L7, L6,~, L1, 0, R1,~,R6, R7
               - FADER: R7, R6, ~, R1, 0, F1, ~, F6, F7
               - EQ(Equalizer) Setting: OFF, CLASS, ROCK, POP, FLAT
               - Loudness: LOUD ON/OFF

• Press and hold **SEL** button on the panel or **AUDIO** button on the remote control to access these
  menu functions: BEEP ON/OFF, DX/LOC, STEREO/MONO, CLOCK 12/24, BT MANUAL/AUTO,
  AREA US/EU.

• Rotate the **VOL** knob on the front panel or press the **VOL** ⋀ /**VOL** ⋁ utton on the remote
  control to adjust the selected item.

         - BEEP ON/OFF: Enable or disable the BEEP signal to confirm setting.
         - DX/LOCAL: Enable or disables the local broadcast mode (LOCAL).
         - Stereo/Mono: Switches between MONO and STEREO reception mode for radio
           frequencies.
         - CLOCK 12/24: Select between 12 hours and 24 hours display.
          Note: If 12 hour display is selected , AM= Morning; PM= Afternoon
         - BT MANUA/AUTO: Select between the manual and auto receive an incoming call.
          BT MANUA: In this mode, press the ↰ button to receive the incoming call.
          BT AUTO: In this mode, the bluetooth handsfree systems will receive the incoming call
          automatically after hearing telephone ringing about 6 seconds.
         - AREA US/EU: This car radio is equipped the USA / Europe frequency.
          Rotate the volume knob to switch between USA and Europe frequency.
          The system will change the frequency setting in about 3 seconds.

• Rotate the **VOL** knob on the front panel or press the **VOL** ⋀ /**VOL** ⋁ button on the remote
  control to adjust the selected item.

Setting the Clock (DISP)
1. To display clock time, press the **DISP** button.
2. To set clock time, press and hold the **DISP** button and the hour will flash.
3. Press the ⏮ or ⏭ button on the front panel or on the remote control to adjust the hour.
4. Press the **DISP** button and the minutes will flash.
5. Press the ⏮ or ⏭ button on the front panel or on the remote control to adjust the minute.

GENERAL OPERATION (CONT.)

Change the Source (MODE)
Press the **MODE** button to switch between RADIO, BT(Bluetooth), USB(with USB device inserted) and AUX-IN(auxiliary input) modes.

Mute on/off
In power on mode, briefly press the **MUTE** button to toggle mute on or off. The muted state will be also released when the volume knob is used.

USB port
The USB port of this car radio is designed for media playback from flash memory devices.

Built-in Microphone
To receive your voice when you calling by using this bluetooth handsfree system.

Aux input connector
The 3.5mm auxiliary input stereo connection is designed for deivces with 3.5mm line-out or headphone output.

Release the detachable front panel
Press the Release button to detach the detachable front panel, then the front panel can be removed from the chassis.

Reset System (RESET)
The RESET button is used to reset all parameters to factory default settings.
This function may be used when the LCD does not display normally or sound is distorted, or when any of the controls are disabled. Press the release button to release the front panel and remove it, then use a thin object with a pointed end to depress the **RESET** button.

RADIO OPERATION

Switch Between USA area and Europe area Frequency
In radio mode, press the **VOL** button to enter switch state of the US(USA) and EU(europe) frequency, then rotate it to switch between US(USA) and EU(europe) frequency.
The system will change the frequency setting in about 3 seconds.

Change Bands (BAND)
Press the B A N D button to switch between the FM1, FM2, FM3, AM1 and AM2.
Each band stores up to six preset stations.

Manual Tuning (◄◄ / ►►)
Press and hold the ►► or ◄◄ button on the front panel or on the remote control to enter manual tuning mode. In manual tuning mode, press the ►► or ◄◄ button to move the radio frequency number up or down one step.

Auto Seek Tuning (◄◄ / ►►)
In standby mode or while not in manual tuning mode, quickly press the ►► or ◄◄ button to move to the next/previous available station automatically.

To Store / Recall Preset Stations
The radio can be stored 6 preset stations for each band (FM1, FM2, FM3, AM1 and AM2) for a total of 30 preset stations.
To memorize a station:
  - Turn the radio on and select the desired band and station.
  - Select a station by ►► or ◄◄ button.
  - Press and hold the desired preset button (numbered 1-6 on the face of the radio) for more than 2 seconds to save the station to that preset number.
- To recall a preset station:
  - Select the desired band.
  - Briefly press a preset button (numbered 1-6) to recall the corresponding preset station.

Automatic Store station/ Preset station scan (AS/PS)
Press and hold the **AS** button for more than 2 seconds to select six strong stations and store them in the current band. The radio will automatically scan the current frequency and enter the six strongest stations into the preset memory positions for that band.
Briefly press the **AS/PS** button on the remote control to recall each preset station that saved in the memories in each band.

LOCAL/DX
In urban areas, most stations are strong enough and "LOCAL ON" mode should be selected.
Switch to LOCAL OFF mode to search for stations with weaker signals.
Press and hold the **SEL** button or press the **AUDIO** button on remote control to access the menu functions, then briefly press **SEL** button to choose DX/LOC item, rotate the **VOL** knob to enable or disable the local broadcast mode.

STEREO/MONO
FM station is received in stereo mode. However, if the signal is weak or reception is not as good as you would like, switching to MONO mode usually improves the overall sound quality.
Press and hold the **SEL** button or press the **AUDIO** button on remote control to access the menu functions, then briefly press **SEL** button to choose STEREO/MONO item, rotate the VOL knob to switch between STEREO and MONO reception.

USB OPERATION

To insert USB
• To play files on a USB device, open the USB port cover and insert the USB storage device into the USB port. Playback will begin automatically.
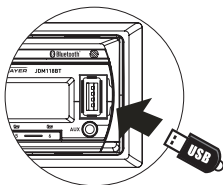
Eject USB
• To eject a USB device, press the ▶❙❙ button to stop playback, then remove the USB device.

Play/Pause
Press the ▶❙❙ (play/pause) button to pause or resume playback.

Next/Previous Track
• To play the next track, press the ▶▶❙ button.
• To play the previous track, press the ❙◀◀ button.

Fast Forward/Backward
• To fast forward, press and hold the ▶▶❙ button.
• To fast backward, press and hold the ❙◀◀ button.

Introduction Scan
Press the **INT** button to play the first 10 seconds of each track, press again to stop the introduction scan, and play the current track.

Repeating the track
Press the **RPT** button to toggle between RPT ALL (Play all track), RPT FLR (Continuously repeats all tracks in current folder) and RPT ONE (Continuously repeats current track).

Playing all tracks in random
Press the **RDM** button to play all tracks in random order, press again to cancel this function.

Track/Folder Navigation
• During USB mode, press the ▨ button to go backward 10 tracks.
  Press the ▨ button to jump forward 10 tracks.

• During USB mode, press and hold the ▨ button to go back the previous folder.
  Press and hold the ▨ button to go to the next folder.
  You can repeat this function depending on the number and level of folders.

• These buttons have no this function if the USB device as no folders.

USB OPERATION

**Select the track or file for playback in MP3 format**

a) Press the AS button on the front panel or press the AS/PS button on the remote control to enter the track search mode. The "TRK0000" will appear on the display.

b)Turn the volume control to select the "first number". Then press the ⏮ button to move the "first number" to the left and enter the next number.

c) When the desired track number appears, confirm your selection by pressing **SEL** button.

AUXILIARY INPUT OPERATION

This car radio has an external auxiliary input jack, it is compatible with audio output from an MP3 music player. So you can listen to sounds and music from external devices, if you have plugged such a player into the AUX IN jack with a audio cable. Press the M O D E button to switch to the AUX input mode on or off.
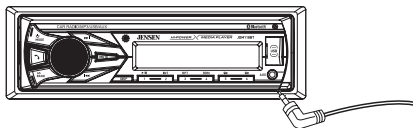
BLUETOOTH OPERATION

Pair and Connect
Prior to using the Bluetooth device as a handsfree system for a Bluetooth-enabled mobile phone for the first time, you must pair and connect the two devices as follows:
1. In any mode, prior to pairing and connecting, the BT logo in the LCD indicating that no device is connected. To begin pairing, enable BT mode on your mobile phone.
2. When the phone finds the car audio system, the "JENSEN JDM118BT " will be displayed.
3. Choose the "JENSEN JDM118BT " from the device list and input the bluetooth PIN code "1234" to pair and connect with the car audio system. Upon confirming, the character "BT" on the LCD will stop flashing.
4. When pairing is complete, the mobile phone audio will automatically transfer to the car audio system whenever a call is made or received, or when the mobile phone plays music.

Make a Call
• To make a call, dial the call directly from the paired mobile phone.

Answer a Call
• When the mobile phone is called, the incoming telephone number displays in the LCD.
• To receive the call, press the 🔈 button.

Redial Last Dialed Number
Press and hold the 🔈 button on the control panel to redial the last dialed phone number.

Reject a Call
Press and hold the 🔈 button to reject an incoming call.

End a Call
To end an active call, press the 🔈 button.

Switch Audio Between Car Audio and Mobile Phone
During a call, press the **SEL** button on the front panel or **AUDIO** button on the remote control to switch the audio sourece from the car audio system back to your mobile phone.

Adjust Talk Volume
• During a call, use **VOL** knob or **VOL** ∧ /**VOL** ∨ button to adjust the volume level.
• Use the **MUTE** button to mute sound.

Audio Streaming (A2DP)
The unit supports A2DP (advanced audio distribution profile) wireless streaming audio from your Bluetooth mobile device directly to your head unit. You can also control your music from the front panel of the head unit using AVRCP (audio video remote control profile).

1. After pairing, connecting and enabling streaming audio from a compatible mobile device, press the **MODE** button to enter BT mode.
2. When a mobile device is paired, music played through that device will automatically be heard through the car audio system and display A2DP in the LCD display.
3. Press the ▶▶ or ◀◀ button to play the next or previous on the mobile phone.
4. Press the ▶❙❙ button to pause or resume music playback.

REMOTE CONTROL

Remove Insulating Sheet
The remote control comes with an insulating sheet attached to the underside of the remote control, as illustrated on the right. The remote control will not work until the insulating sheet is removed.
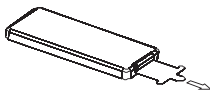
Replace Lithium Battery Cell
1. When the lithium cell battery becomes weak, replace it as illustrated on the right.
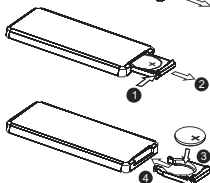2. Press and hold the movable block in the direction indicated by arrow 1. At the same time, pull the cell holder out of the remote control in the direction indicated by arrow 2.
3. Replace the old cell with a new one, making sure the (+) polarity is facing upward.
4. Re-insert the cell holder into the remote control.

- Cell leakage may cause damage to the remote control.
- Do not throw cells into as this may cause an explosion.
- Keep battery cells out of reach of children.

Remote Control Operation
Position the emitting window of the remote control toward the sensor window of the unit.
- The operation angle for front panel remote control reception is about 30 degrees.
- The distance between the emitting window of the remote control and the sensor window of the unit should remain less 5 meters.

Button Names and Locations

1. MODE button
2. Volumem increase button
3. Power on/off button
4. AUDIO/MENU Selection button
5. Tune up, Seek up; Next track, fast forward button
6. Volume decrease button
7. BAND button
8. Repeat, Preset station 3
9. Introduction scan, Preset station 2
10. Next folder, Jump forward 10 tracks, Preset station 6
11. MUTE button
12. Automatica store/preset station scan, Automatica music search
13. Previous folder, Go back 10 tracks, Preset station 5
14. Play all tracks in random order Preset station 4
15. Play/ Pause, Preset station 1
16. Answer call / Reject call / End call / Redial button
17. Tune down, Seek down; Previous track, fast reverse button
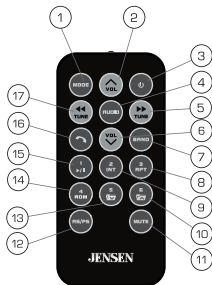
Note: When using the remote control for the first time, you must pull out the portective plastic tab from the battery compartment found on the back of the remote control.

SPECIFICATIONS

General

Chassis Dimensions………………………………………………178(W) x 108(D) x 50(H) mm
Power Supply Requirement …………………………………………………………DC 12V
Current Consumption ……………………………………………………………10A (max.)
Maximum Power Output …………………………………………………………75W x 4CH

Radio

FM

USA/ Europe Frequency Range………………………………87.5 - 107.9 MHz (200KHz/Step)
87.5 - 108.0 MHz(50KHz/Step)
Usable Sensitivity …………………………………………………………………30 dBu
I.F. Frequency …………………………………………………………………10.7 MHz

AM

USA/ Europe Frequency Range………………………………......530 - 1710 KHz (10KHz/Step)
522 - 1620 KHz (9KHz/Step)
Usable Sensitivity …………………………………………………………………20 dBu
I.F. Frequency …………………………………………………………………450 KHz

USB

Usable Audio Formats ……………………………………………………………MP3/WMA
USB Port Type……………………………………………………………………………2.0
Pre-amp Output …………………………………………………………………Front and Rear
Frequency Response ……………………………………………………20 Hz - 20 KHz
S/N Ratio …………………………………………………………………………60dB

BT

BT Profile supports …………………………………………………A2DP, AVRCP, HFP
Range of frequency …………………………………………………2.4GHz spectrum

TROUBLESHOOTING

If you suspect something is wrong, immediately switch power off.
Do not use the unit in abnormal condition, for example without sound, or with smoke or foul smell, can cause fire or electric shock. Immediately stop using it and call the store where you purchased it. Never try to repair the unit by yourself because it is dangerous to do so.

General
1) Car's engine switch is not on.
   - Turn you car's key to ACC or ON.
2) Cable is not correctly connected.
   - Check the connection.
3) Fuse is burnt.
   - Replace fuse.
4) Volume is in mute or minimum.
   - Check volume or mute on/off, adjust volume to a desired level.
5) The operation keys do not work.
   - The built-in micro computer is not working properly due to noise.
   Press the RESET button to restore the program to zero.

Radio
1) Much noise in broadcasts.
   - Station or signal is too weak. Select other stations of stronger signal level.
2) The antenna cable is not connected.
   - Insert the antenna cable firmly into the antenna socket of this car radio.
3) Preset station is reset.
   - Battery cable is not correctly connected. Connect the battery cable to the terminal that is always live.

USB/SD
1) USB or SD card is connecting but no sound
   - USB or SD card connection is not good. Take it out and insert again.
   - USB or SD card is damaged or no music file inside. Change to another USB or SD card, or record music inside it.

Warning Statement

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.