JENSEN®

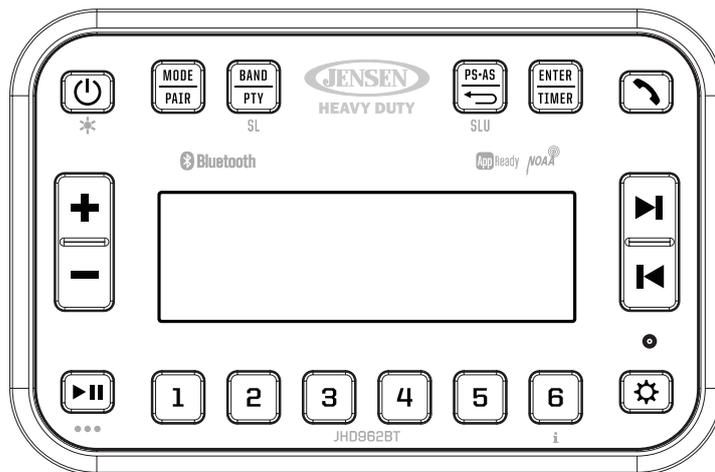## HEAVY DUTY

JHD962BT

AM/FM/RBDS/WB/USB/BT/DAB+ Heavy Duty Radio

Installation and Operation Manual

CONTENTS

INTRODUCTION

System Features

Features of JENSEN JHD962BT mobile audio system include:

- 50 watts max power (25W x 2); 20 watts RMS (10W x 2)
- Bluetooth® streaming audio (A2DP/AVRCP) and hands-free calling (HFP) — compatible with JMICHFP and JMICHFP2 microphones (sold separately)
- Water and UV resistant front panel (IPX6)
- App control ready
- DAB+ (Digital Audio Broadcasting)
- Weatherband
- AM/FM tuner with 30 presets
- RBDS (Radio Broadcast Data Service) with PTY search
- Rear USB port for device charging (1 amp output)
- Stereo pre-amp line level output (2V RMS)
- Amplifier remote trigger (12VDC)
- Audio settings (volume/bass/treble/balance/fade)
- Toggle switch between day and night display
- Full dot matrix LCD
- 2-wire power with non-volatile memory and clock support
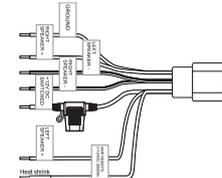- Remote turn on
- Low battery alert
- Work timer

Content List

- JENSEN Heavy Duty Radio
- Hardware Kit
- Mounting Bracket
- Mounting Bracket Fasteners
- Quick Reference Guide

HARDWARE KIT CONTENTS
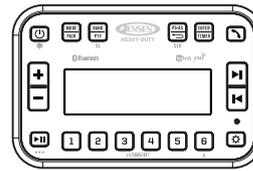
JHD962BT

Wiring Harness
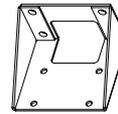
Radio Mounting Bracket

M4 Machine Screws (4)

Self-Tapping Screws (4)

Machine Screws With Nuts (4)

Washers (4)

Hex Nuts (4)

3

SAFETY INFORMATION

When Driving
Keep the volume level low enough to be aware of the road and traffic conditions.

When Parked
Parking in direct sunlight can produce very high temperatures inside your vehicle. Give the interior a chance to cool down before starting playback.

Use the Proper Power Supply
This product is designed to operate with a 12-volt DC negative ground battery system.

WARNING:
- TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK AND ANNOYING INTERFERENCE, USE ONLY THE RECOMMENDED ACCESSORIES.

INSTALLATION
Mounting the Bracket

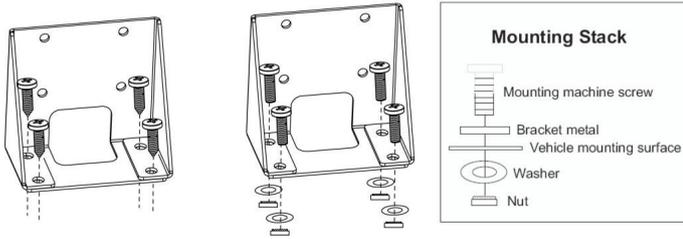Two options are provided for mounting the bracket (self-tapping screws or machine screws with nuts) to ensure a mounting option ideal for your mounting location. Avoid obstructing airflow to the rear cooling fins on the radio.

Notes: Mounting holes should be drilled to 7/32". Before drilling the mounting holes, make sure the area behind the panel where the holes are desired is clear of wires and fuels, vacuum and or brake lines.

Self-Tapping
Screws
(Hole size 7/32")

Machine Screws
With Nuts
(Hole size 7/32")

Mounting Stack
- Mounting machine screw
- Bracket metal
- Vehicle mounting surface
- Washer
- Nut

Warning : To disconnect the vehicle battery before wiring the unit.

Attaching the Radio

Once the bracket is securely mounted, use the four included M4 machine screws to fasten the bracket to the back of the radio. Alternatively, the radio can be mounted directly to the instrument panel if access to the rear of the instrument panel.

CAUTION! Do not over tighten the 4 mounting screws. Hand tighten only.
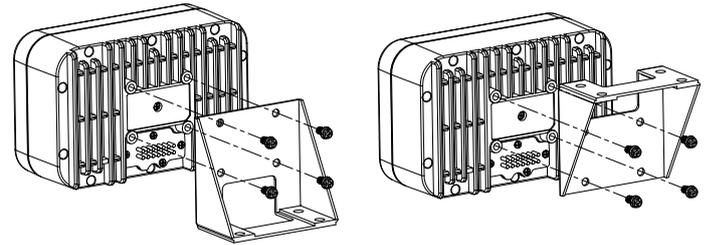
Regular Mounting   Overhead Mounting

JENSEN
HEAVY DUTY

WIRING

RIGHT SPEAKER + (GRAY)　　GROUND (BLACK)

LEFT SPEAKER - (WHITE/BLACK)

AMP REMOTE (+12VDC 500MA)
(DARK BLUE)

RIGHT SPEAKER - (GRAY/BLACK)

+12V DC SWITCHED (RED)

LEFT SPEAKER + (WHITE)

1	4	7
2	5	8
3	6	9

VIEW A-A
WIRE INSERTION VIEW

RIGHT SPEAKER + (GRAY)

GROUND (BLACK)

RIGHT SPEAKER - (GRAY/BLACK)

LEFT SPEAKER - (WHITE/BLACK)

+12V DC SWITCHED (RED)

AMP REMOTE (+12VDC 500MA) (DARK BLUE)

LEFT SPEAKER + (WHITE)

7	4	1
8	5	2
9	6	3

VIEW B-B
WIRE INSERTION VIEW

9-PIN CONNECTOR(MALE)

BT Antenna   White
1.5"±.25   2.0"±.25

Heat shrink   Light Blue   6.0"±0.5
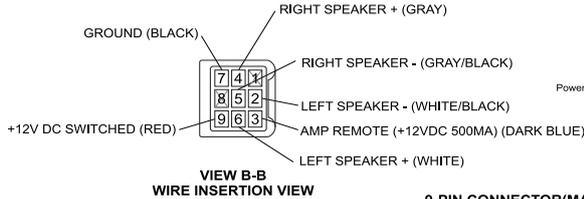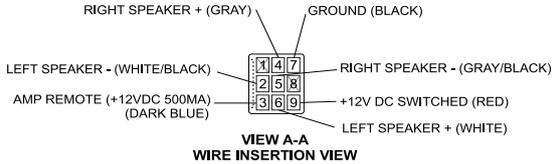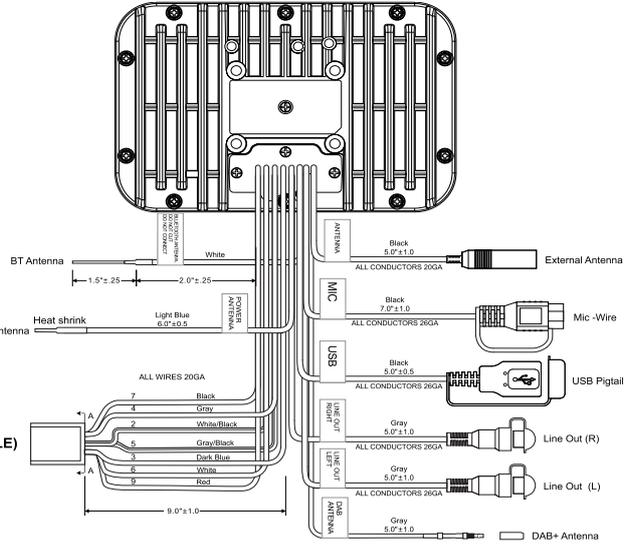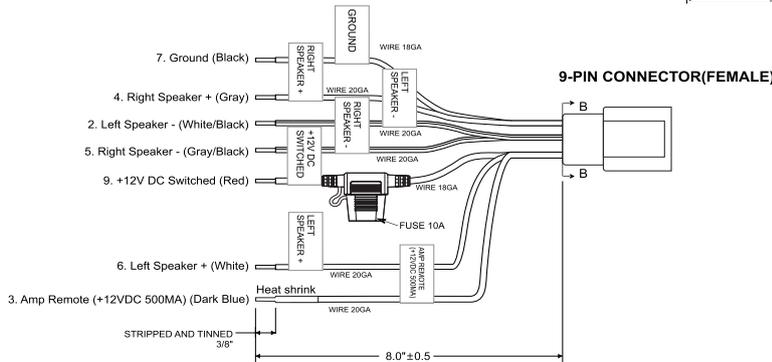Power Antenna

ALL WIRES 20GA

7	Black
4	Gray
2	White/Black
5	Gray/Black
3	Dark Blue
6	White
9	Red

9.0"±1.0

ANTENNA   Black   5.0"±1.0   ALL CONDUCTORS 20GA   External Antenna

MIC   Black   7.0"±1.0   ALL CONDUCTORS 26GA   Mic -Wire

USB   Black   5.0"±0.5   ALL CONDUCTORS 26GA   USB Pigtail

LINE OUT RIGHT   Gray   5.0"±1.0   ALL CONDUCTORS 26GA   Line Out (R)

LINE OUT LEFT   Gray   5.0"±1.0   ALL CONDUCTORS 26GA   Line Out (L)

DAB ANTENNA   Gray   5.0"±1.0   DAB+ Antenna

9-PIN CONNECTOR(FEMALE)

7. Ground (Black)

GROUND   WIRE 18GA

RIGHT SPEAKER +   LEFT SPEAKER +

4. Right Speaker + (Gray)   WIRE 20GA

2. Left Speaker - (White/Black)   WIRE 20GA

RIGHT SPEAKER -

5. Right Speaker - (Gray/Black)   WIRE 20GA

9. +12V DC Switched (Red)   +12V DC SWITCHED   WIRE 18GA

FUSE 10A

LEFT SPEAKER +

6. Left Speaker + (White)   WIRE 20GA

AMP REMOTE (+12VDC 500MA)

3. Amp Remote (+12VDC 500MA) (Dark Blue)   Heat shrink   WIRE 20GA

STRIPPED AND TINNED 3/8"

8.0"±0.5

B

B

WARNING!
Do not connect the +12VDC ACC switched wire to the battery. This wire MUST be connected to the Accessory/ Ignition wire or a +12 volts switched power source.

Pin No.	Color	Description
1	N/A	No Connection
2	White/Black	Left Speaker-
3	Dark Blue	Amp Remote(+12VDC 500MA)
4	Gray	Right Speaker+
5	Gray/Black	Right Speaker-
6	White	Left Speaker+
7	Black	Ground
8	N/A	No Connection
9	Red	+12V DC Switched
N/A	White	BT Antenna
N/A	Light Blue	Power Antenna
N/A	Black	USB Pigtail
N/A	Black	External Antenna
N/A	Gray/Red	Line Out(R)
N/A	Gray/White	Line Out(L)
N/A	Black	Mic-Wire
N/A	Gray	DAB+Antenna

BASIC OPERATION
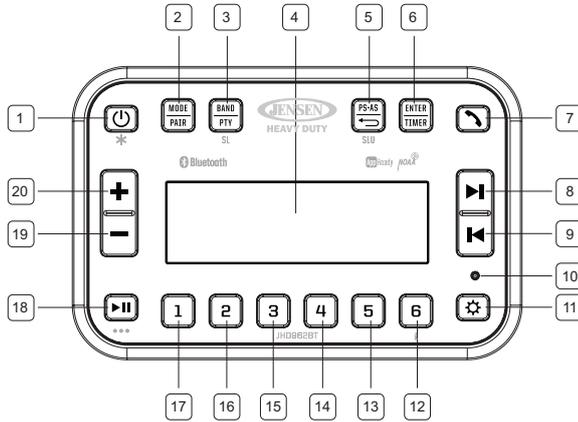
Power On/Off

Press the **POWER** button (1) to turn the unit on. The unit will resume at the last mode (Tuner, BT, etc.) after turn on. Press and hold the **POWER** button (1) to enter standby mode.

Dimmer Control

A short press of the **POWER** button (1) will switch the dimmer on/off. While the dimmer is off, the unit will be at full brightness for daylight viewing. While dimmer is on, the backlight will dim for night viewing. The dimmer brightness level can be adjusted in the system settings.

Volume Control

To increase the volume, press the ✚ button (20). To decrease the volume, press the ➖ button(19).

Play/Pause/Mute

Press the ▶❚❚ button (18) on the control panel to pause or mute the audio output. Press ▶❚❚ button again to unmute or restore the audio output to the previous level.

Mode

Press the **MODE** button (2) to select a different mode of operation, as indicated on the display panel. Available modes include the following: FM > AM > Weatherband > BT Audio. FM is the default source mode on initial power up.

NOTE: DAB+ Digital Radio mode will be skipped when the Region menu option is set to "USA/Russia/Japan."

NOTE: Weatherband mode will be skipped when the Region menu option is set to "Europe/Russia/Japan."

Reset

The **RESET** button (10) should be activated for the following reasons:
- Initial installation of the unit when all wiring is completed.
- Function buttons do not operate.
- Error symbol on the display.

Use a ballpoint pen or thin metal object to press the reset button. This may be necessary should the unit display an error code.

Audio Menu

Press the **SETTINGS** button (11) to access the audio menu. You can navigate through the audio menu items by pressing the

SETTINGS button repeatedly or ◀ or ▶ buttons (9, 8). Once the desired menu item appears on the display, adjust that option by pressing the ✚ or ▬ buttons (20, 19) within 5 seconds. The unit will automatically exit the audio menu after five seconds of inactivity. The following menu items can be adjusted.

Loudness:
Press the ✚ or ▬ buttons (20, 19) to toggle the loudness on/off. When listening to music at low volumes, this feature will boost the bass/treble range to compensate for the characteristics of human hearing.

Bass Level
Press the ✚ or ▬ buttons to adjust the Bass level range from "-7" to "+7."

Treble Level
Press the ✚ or ▬ buttons to adjust the Treble level range from "-7" to "+7."

Balance
Press the ✚ or ▬ buttons to adjust the Balance between the left and right speakers from "Left 7" to "Right 7."

System Menu

1. Press and hold the **SETTINGS** button (11) for more than 2 seconds to enter the system menu.
2. Press the **SETTINGS** button repeatedly or ◀ or ▶ buttons (9, 8) to navigate the system menu.
3. Press the ✚ or ▬ buttons (20, 19) to adjust the selected menu item. Press the **ENTER/TIMER** button (6) to select the desired item.

The unit will automatically exit the system menu after 5 seconds of inactivity. The following items can be adjusted:

- LCD Dimmer (1-10): Adjust LCD backlight
- LCD Contrast (1-10): Adjust LCD contrast
- Bluetooth Devices: Press to **ENTER/TIMER** button (6) to enter sub-menu. Press ◀ or ▶ buttons (9, 8) to navigate list. List loops. Press E**NTER/TIMER** button to select device. Press ◀ or ▶ to navigate selected device's menu of available options (Lock/Unlock > Connect/Disconnect > Delete and List loops). Press **ENTER/TIMER** button to select options.
    - Lock/Unlock: Press **ENTER/TIMER** button to lock or unlock device. Lock icon displays next to device name in menu when device is locked.
    - Connect/Disconnect: Press **ENTER/TIMER** button to connect or disconnect previous paried device.
    - Delete: Option only available if selected device is unlocked. Press **ENTER/TIMER** button to delete.
- Call Auto Answer (On/Off): Turn call auto answer setting On/Off.
- Call Volume (On/Off): Adjust call volume Decrease/Increase respectively.
- Clock Set: Setting the clock (HH:MM) and hour format.
- LV ALARM (On/Off): Low Voltage Alarm On. Monitor voltage on ACC line and send alert when voltage is low.
- LVAO (On/Off): Low Voltage Auto Off. Automatically turn

off power to radio when battery voltage is low.

- P--O TUNE (On/Off): Preset-Only Tune On. If 'Preset-Only Tune' is set to 'On' in System Settings, only presets from all bands are recalled in sequence.
- Tuning Region (USA/EURO/RUSSIA/JAPAN): Set frequency spacing for various regions.
    - USA Tuning Region (AM > FM > WX > Bluetooth)
    - Europe Tuning Region (AM > FM > DAB+ > Bluetooth)
    - Japan & Russia Tuning Region (AM > FM > Bluetooth)
- DAB+: Press to **ENTER/TIMER** button to enter sub-menu. Press ⏮ or ⏭ buttons to navigate list.
    - Announcements: Press to **ENTER/TIMER** button to enter sub-menu.
        - New Flash (On/Off)
        - Transport Flash (On/Off)
        - Area Weather Flash (On/Off)
        - Warning/Service (On/Off)
        - Event Announcement (On/Off)
    - Antenna Power (On/Off): Turn supplied power On and Off to the DAB antenna.
    - Clock Sync (On/Off): To synchronize the clock display.
- Key Beep (On/Off): Turn the audible beep On/Off (heard when functions/buttons are selected).
- Reset System Defaults: Press the **ENTER/TIMER** button and then press **2**(16) to Confirm. Press the **ENTER/TIMER** to return the unit to factory default set up values.

- System Info: Display firmware version.

NOTE: Bluetooth Device menu options are only available while the Bluetooth feature is ON and the radio is in Bluetooth Audio mode.

NOTE: A locked Bluetooth device will not be overwritten from the list.

Low Voltage Alarm Operation

If Low Voltage Alarm is set to "On," an alarm will sound (8 beeps every 30 sec) when the voltage drops to 10.5V (+/-0.3V). A visual warning (LOW VOLTAGE) will appear. Press any button to dismiss visual warning (reappear every 10-minutes) in the LCD display.

NOTE: "Off" is the default setting for Low Voltage Alarm. If the audio is muted or the volume is set to 0, the audible beep will not be heard.

Liquid Crystal Display (LCD)

The liquid crystal display (LCD) panel (4) displays the frequency, time and activated functions.

NOTE: LCD panels may take longer to respond when subjected to cold temperatures for an extended period of time. In addition, the visibility of the characters on the LCD may decrease slightly. The LCD display will return to normal when the temperature increases to a normal range.

![JENSEN HEAVY DUTY]

Setting the Clock

To set the clock to display the current time, turn the vehicle ignition on and turn the radio on. Enter the system menu and adjust the clock by selecting the "Set Clock" menu item.

- Press **ENTER/TIMER** button (6) to enter clock setting menu.
- Press ◄ or ►I to select hours, minutes, or 12/24 hour format.
- Press ✚ or ━ to adjust the setting field.

When no adjustment is made, the time will become set and normal operation will resume.

Setting Work Timer

To activate the work timer clock and running in the background.

- Press **ENTER/TIMER** button (6) to display work timer.
- Press **ENTER/TIMER** button again to start/stop work timer.
- Press & hold **ENTER/TIMER** button to reset work timer.
- Press **RETURN** button (5) to exit work timer display.

If timer is exited while running, "TIMER" flashes every 10 seconds for 2 seconds in place of clock in footer right on the display.

TUNER OPERATION
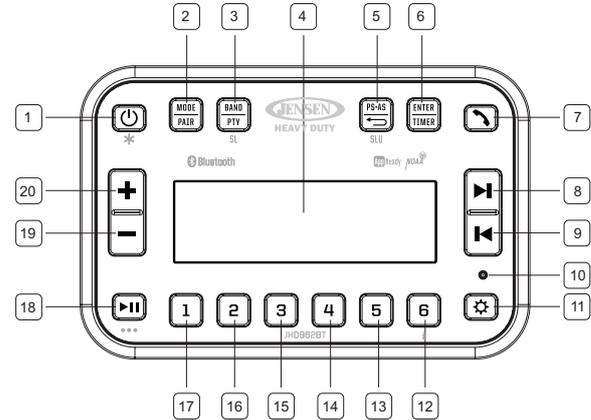
Select a Band

Press the **BAND/PTY** button (3) to change between FM1, FM2, FM3, AM1 and AM2.

Manual Tuning

Press & hold the ◄ or ►I buttons (9, 8) to seek stations up/down step by step.

Auto Seek Tuning

Press the ◄ or ►I buttons (9, 8) to automatically seek the next or previous strong station.

NOTE: Seek tuning is not available for Weatherband channels. Use the up or down tuning buttons to manually select any of the seven available Weatherband channels.

Preset Stations

Six numbered preset buttons store and recall stations.

Store a Station

Select a station, then press and hold a preset button from **1 – 6** on the number buttons (12-17) for two seconds. The preset number will appear on the LCD.

Recall a Station

Press a preset button from **1 – 6** on the number buttons to select the corresponding stored station.

NOTE: Preset buttons are pre-assigned frequencies in Weatherband mode.

Automatically Store/Preset Scan (AS/PS)

Automatically Store

Select an **AM** or **FM** band. Press and hold the **AS•PS** button (5) for 2 seconds to automatically find and store strong stations. "Storing Presets" appears on the screen and the new stations replace any stations already stored.

Preset Scan

Select a band. Press **AS•PS** to scan stations stored in the current band. The unit will pause for 10 seconds at each preset station. Press **AS•PS** again to stop scanning when the desired station is reached.

RBDS Operation

This unit is equipped to display RBDS (Radio Broadcast Data Service) information when broadcast by the radio station.

NOTE: Radio stations broadcasting RBDS may not be available in your listening area.

In FM radio mode, press & hold the **BAND/PTY** button (3) for 2 seconds to list the following Program Type (PTY) options: ANY/News/Information/Sports/Talk/Rock/Classic Rock/Adult Hits/Soft Rock/Top 40/Country/Oldies/Soft/Nostalgia/Jazz/Classical/Rhythm and Blues/Soft Rhythm & Blues/Foreign Language/Religious Music/Religious Talk/Personality/Public/College/Weather/Emergency Test/Emergency.

To search for stations in a PTY category:
1. Press the **BAND/PTY** button to view the current PTY category.
2. Press the ◄ or ► buttons to move through the list of available categories and select the program type you wish to search.
3. After selecting the desired PTY, press the **ENTER/TIMER** button (6) to search the band for broadcasts of this type. "Searching PTY" is displayed while the tuner is searching.

NOTE: Performing a PTY search on "ANY" will Seek Tune and stop on any station broadcasting RBDS, regardless of the program type.

NOTE: The RBDS (Radio Broadcast Data Service) is disabled when the Preset-Only Tuning is On in system menu.

Weatherband Operation

What is the NOAA Weather Radio/Weatheradio Canada?
NOAA (National Oceanic and Atmospheric Administration) is a nationwide system that broadcasts local weather emergency information 24 hours a day via the National Weather Service (NWS) network. The U.S. network has more than 750 stations covering the 50 states as well as the adjacent coastal waters, Puerto Rico, the U.S. Virgin Islands and the U.S. Pacific Territories. Each local area has its own transmitting station and there are a total of seven broadcasting frequencies used. A similar system is available in Canada under the Weatheradio Canada service administered by Environment Canada.

Tuning to Weatherband
Press and hold the **MODE** button (2) repeatedly to reach the Weatherband. The indication "WB" will appear on the display panel, along with the current number and channel indication: "WB-1", WB-2", "WB-3", "WB-4", "WB-5", "WB-6" or "WB-7." The seven frequencies are shown in the following table:

WB Frequencie

Frequency (MHz)	Preset
162.400	2
162.425	4
162.450	5
162.475	3
162.500	6
162.525	-
162.550	1

The above table also shows which preset button will access the frequency. Note that one frequency cannot be accessed using a preset button. The frequency can only be reached using the tuning controls.
Use the ◄ or ►I buttons (9, 8) or the preset buttons to tune to each of the seven channels until you find the weatherband station broadcasting in your area.

How many stations can I expect to receive?
Since the broadcasts are local weather and information, the transmission power is usually very low (much less than standard AM or FM stations) so you will usually receive only one station unless you are on the edge of two or more broadcast signals. The most you will receive will be two or three, and that is rare.

Is it possible I won't receive any stations?
Depending on where you are located, there is a possibility you will receive only a very weak signal or none at all. Also, similar to AM and FM signals, weatherband signals are subject to surrounding conditions, weather, obstructions of the signal by hills or mountains, etc.

DAB+ Digital Radio Operation
Digital Audio Broadcasting (DAB/DAB+) is designed for delivery of high-quality digital audio programs and data services from terrestrial transmitters in the Very High Frequency (VHF) frequency bands.
For more information about (DAB/DAB+) services and to find a list of stations available in your area, visit www.worlddab.org

Select a Band

Press the **BAND/PTY** button (3) to change between DAB+1, DAB+2 and DAB+3 band.

Service List Update

Press and hold the **AS•PS/RETURN (SLU)** button (5) to start service list update. The "Service List Updating" will display and start updating the service list. Press AS•PS/RETURN (SLU) button to cancel service list update.

Select a Service

Press and hold the **BAND/PTY(SL)** button (3) to display Service list menu. While in Service list, press ◄ or ►I buttons (9, 8) to navigate down or up service list respectively (list loops). Press **ENTER/TIMER** (6) to select desired Service label and system exits to current selected Service label screen.

Search for An Ensemble

Press and hold the I◄ or ►I buttons (9, 8) to automatically search for an available ensemble, service or component to play. Press I◄ or ►I buttons (9, 8) to manual select an ensemble. Press **ENTER/TIMER** (6) to confirm.

Store or Recall Service

Six numbered preset buttons store and recall stations.

Store a Service

Select a station, then press and hold a preset button from **1 – 6** on the number buttons for two seconds. The preset number will appear on the LCD.

Recall a Store Service

Press a preset button from **1 – 6** on the number buttons to select the corresponding stored service.

BLUETOOTH OPERATION

The JHD962BT includes built-in Bluetooth technology that allows you to connect this head unit to Bluetooth devices for streaming audio playback.

About Bluetooth Technology

Bluetooth is a short-range wireless radio connectivity technology developed as a cable replacement for various electronic devices. Bluetooth operates in 2.4 GHz frequency range and transmits voice and data at speeds up to 2.1 Mbit/s over a range of up to 10 meters.
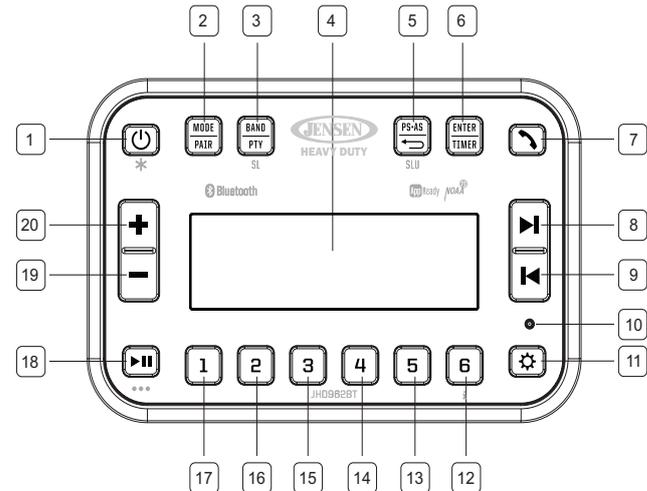
Bluetooth Menu Options

NOTE: Please note that some BT menu options are only available while the unit is in Bluetooth Audio mode.

Press and hold the **SETTINGS** button (11) for more than 2 seconds to enter the system menu. Press the **SETTINGS** button repeatedly or ◄ or ►| buttons (9, 8) to view the Bluetooth Setup Menu options. Press **ENTER/TIMER** button (6) to choose the highlighted option.

- **Call Auto Answer**: Press the ━ or ✚ buttons (19, 20) to turn the Auto Answer function "On" or "Off."
- **Call Volume**: Press the **ENTER/TIMER** button repeatedly to adjust the call volume from 0-40 (default volume is 30).
- **BT Device List**: Press the **ENTER/TIMER** buttons to view a list of previously paired mobile phone device models. Press the ◄ or ►| buttons to navigate devices from the list. You cannot delete a 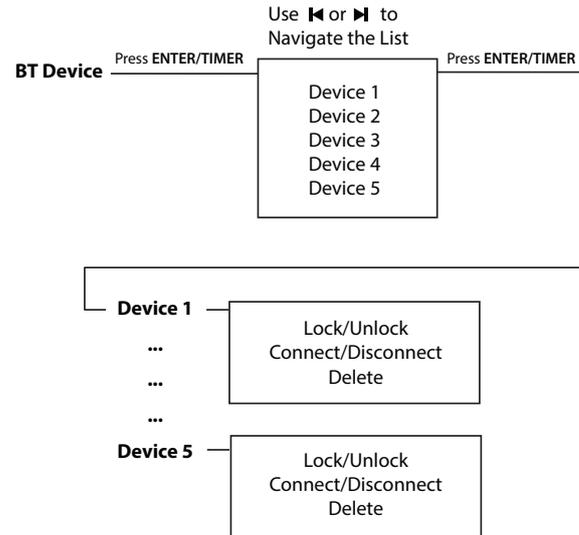device that is actively connected. Press the **ENTER/TIMER** button to select the device. Press the ◄ or ►| buttons to choose Lock/Unlock, Disconnect or Delete for this device.
- **LOCK/UNLOCK**: The JHD962BT can store up to 5 devices for Bluetooth connection. The devices are stored in FIFO (First in 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 **ENTER/TIMER** button to display/change the Locked or Unlocked icon.
- **DISCONNECT**: To disconnect a paired device, press the **ENTER/TIMER** button to temporarily remove the Bluetooth link. The link can be re-established through your phone menu by selecting the JHD962BT for connection.
- **DELETE**: To delete a device from the list, press the **ENTER/ TIMER** button.

NOTE: Device must be disconnected to be deleted.

Use ◄ or ►| to Navigate the List

BT Device — Press **ENTER/TIMER** —

Device 1
Device 2
Device 3
Device 4
Device 5

Press **ENTER/TIMER**

Device 1
...
...
...
Device 5

Lock/Unlock
Connect/Disconnect
Delete

Lock/Unlock
Connect/Disconnect
Delete

![JENSEN HEAVY DUTY logo]

Pairing a Bluetooth Device

Before you begin, consult the owner's manual for the Bluetooth device you want to pair with the JHD962BT.

Bluetooth Quick Pair:

1. On your personal Bluetooth device, enter the Bluetooth settings list. Make sure your device has Bluetooth turned on and is searching for new devices.
2. Press and hold the **MODE/PAIR** button (2) for three seconds to make the JHD962BT available on your Bluetooth device.
3. On your Bluetooth device, select JHD962BT once it becomes available to pair and connect your device. Enter the pairing password (0000), if requested.

After connecting successfully, you will be able to listen to music stored on your Bluetooth enabled device through the radio.

BT 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 **MODE/PAIR** button. While in Bluetooth mode, the Bluetooth Audio icon ▓▓▓ will appear on the LCD.

Selecting Tracks

During playback, press the ◄◄ or ►► buttons (9, 8) to play the previous or next track.

Pausing Playback

During playback, press the ►ıı button (18) to pause the Bluetooth AUDIO player. "Pause" will appear on the LCD. Press ►ıı again to resume playback. If you change to another mode, the mobile phone audio will pause. Press the **MODE/PAIR** button (2) to return to Bluetooth 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 disconnected inadvertently, the unit will automatically search for the matching Bluetooth device when the power is restored.

Incoming/Outgoing calls

While the mobile device is connected through Bluetooth, the phone number for incoming calls will appear on the LCD. The incoming ring will be output through the unit.

Answer Call

If the Bluetooth Auto Answer function is turned "Off, " the user must press the "**CALL**" button (7) to receive an incoming call. If the BT Auto Answer function is turned "On," the unit will automatically receive the incoming call after 5 seconds of ringing.

While the microphone (JMICHFP/JMICHFP2) is connected to the unit, the user can answer incoming calls through the Microphone.

Transfer Call

During the call, press and hold the "**CALL**" button transfer the

call between the unit and the mobile device.
End Call
Press the "**CALL**" button to end a call. The unit will return to the previous mode.
Reject Incoming Call
To reject an incoming call, press and hold the "**CALL**" button.
Outgoing Call
Press the "**CALL**" button to call last call out number.

APP OPERATION

ASA Audio App 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
- Source mode selection
- Playback, tuning, switch song
- Audio menu controls - bass, treble, balance, fader, loudness, volume and speaker

Connecting and using ASA Audio Control app

The ASA Audio Control app can be found on the App Store for Apple Devices and the Google Play Store for Android Devices. After downloading and installing ASA Audio Control app on your device, pair your device to the JHD962BT as stated above for Bluetooth pairing. Once your device is paired you can open and begin using the app.

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

CARE AND MAINTENANCE

- Keep the product away from dust and dirt, which can cause premature wear of parts.
- Handle the product gently and carefully. Dropping it can damage circuit boards and cases, and can cause the product to work improperly.
- Wipe the product with a dampened cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the product.
- Use and store the product only in normal temperature environments. High temperature can shorten the life of electronic devices, damage batteries, and distort or melt plastic parts.

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Ignition

The most common source of noise in reception is the ignition system. This is a result of the radio being placed close to the ignition system (engine). This type of noise can be easily detected because it will vary in intensity of pitch with the speed of the engine.

Usually, the ignition noise can be suppressed considerably by using a radio suppression type high voltage ignition wire and suppressor resistor in the ignition system. (Most vehicles employ this wire and resistor but it may be necessary to check them for correct operation.) Another method of suppression is the use of additional noise suppressors. These can be obtained from most CB radio or electronic supply shops.

Interference

Radio reception in a moving environment is very different from reception in a stationary environment (home). It is very important to understand the difference.

AM reception will deteriorate when passing under a bridge or when passing under high voltage lines. Although AM is subject to environmental noise, it has the ability to be received at great distance. This is because broadcasting signals follow the curvature of the earth and are reflected back by the upper atmosphere.

TROUBLESHOOTING

Symptom	Cause	Solution
No power	The vehicle's accessory switch is not on	If the power supply is properly connected to the vehicle's accessory terminal, switch the ignition key to "ACC."
	Fuse is blown	Replace the fuse.
No sound	Volume too low	Adjust volume to audible level.
	Wiring is not properly connected	Check wiring connections.
The operation keys do not work	Built-in microcomputer is not operating properly due to noise	Press the **RESET** button.
Cannot tune to radio station, auto-seek does not work	Antenna cable is not connected	Insert the antenna cable firmly.
	Signals are too weak.	Select a station manually.
ERROR-01 on LCD	Database or decoder error	Change to another mode.

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SPECIFICATIONS

FM Radio

Frequency Coverage (USA) 87.5-107.9MHz

Frequency Coverage (Europe/Russia/Japan) 87.5-108MHz/87.5-108MHz/76.0-90.0MHz

Sensitivity (S/N=30dB)..≤14dBµV

Stereo Separation..>25dB

AM/MW

Frequency Range (USA) 530-1710kHz

Frequency Range (Europe/Russia/Japan)..522-1620kHz/522-1620kHz/522-1629kHz

Sensitivity (S/N=20dB)..≤25dBµV

General

Frequency band(s) (for Bluetooth)..2.4GHz

Maximum radio-frequency power transmitted (for Bluetooth) 4dBm

Operating Voltage...DC 12-Volts

Grounding System ....Negative

Ground Speaker Impedance ....4-8 ohms per channel

Tone Controls:

  Bass (at 100Hz) ....±10dB

  Treble (at 10kHz)..±10dB

Max Power Output...25W x 2

RMS Power Output ....10W x 2

Idle/Standby Current..<50mA

Fuse Rating 10Ampere

Max Dimensions ....131.5 (W) x 57.5 (D) x 86.1 (H)mm

FCC NOTES

WARNING! Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

*   Consult the dealer or an experienced radio/TV technician for help.

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