

RESERVE

by SOUNDSTREAM

Owner's Manual EN

DEM UPGRADE HEAD UNIT FOR '98-'13 HARLEY-DAVIDSON® ELECTRA GLIDE® ULTRA®, STREET GLIDE® & ROAD GLIDE® MOTORCYCLES INSTALLATION GUIDE



WHD9813

Safety First	
Safety Definitions	2
Pre-Riding	
Check list	3
Care and cleaning	3
Screen	3
Appearance	3
Before Installation	4
Intallation	5
Wiring	12
Operation	
Main menu	14
Setting	15
Apple CarPlay/Android Auto	17
Radio operation	21
USB operation	24
Bluetooth Music	24
Bluetooth Phone	21
Trouble Shooting	27
Warranty	28
FCC Notes	29

Safety Definitions

Statements in this manual preceded by following words are of special significance:

▲ WARNING

WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

▲ WARNING

Set volume levels and other controls on audio and electronic devices before riding. Distractions can lead to loss of control, resulting in death or serious injury.

▲ WARNING

Do not select a volume level that blocks out traffic noise or interrupts the concentration necessary for the safe operation of the Motorcycle. Distractions or a volume level that blocks our traffic noise could cause loss of control resulting in death or severe injury.

Note

Pay attention while riding, keeping your eyes and clear mind on the road. Some features are locked out to prevent distraction, limited in capability while the Motorcycle is in motion. Even a part is available, do not allow it to distract you from operating your Motorcycle safely.

For safety, program the system when stopped. Perform system setup and get familiar with the controls and features of the infotainment system before operating the Motorcycle on the road.

This system cannot warn about the safety of an area, bad road conditions, and availability of emergency services.

Use this radio only in locations where it is safe to do.

Pre-RIDING

Check list

Configure the system with your personal preferences before riding to use features and minimize distractions while on the road entirely.

1. Set brightness, background.
2. Configure presets.
3. Adjust audio settings like EQ, volume, fade, balance etc. before ridding.
4. Pair, connect and set up phone features through Bluetooth.
5. Connect USB devices for Apple CarPlay® or Android Auto®.
6. Select station or media

CARE AND CLEANING

Use only **WHD9813** recommended products and methods to keep the radio, speakers, and other audio system components clean and in good condition.

Do not use any abrasives, polishes, or rubbing compounds to clean the screen or other components. Do not use any ammonia-based cleaners on the net.

The use of other products or methods may cause damage to components.

Screen :

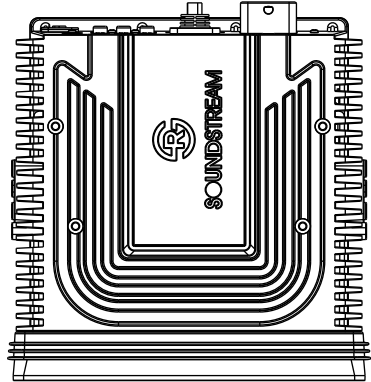
Do not use any chemical cleaners or chemical-containing wipes or cloths. These can cause damage to the screen surface.

Gently clean the display glass surface with a clean, dry microfiber cloth. Before cleaning, it is suggested to remove any visible dust, dirt, sand particles with a gentle compressed airstream.

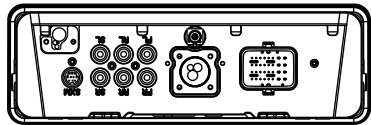
Appearance



Front

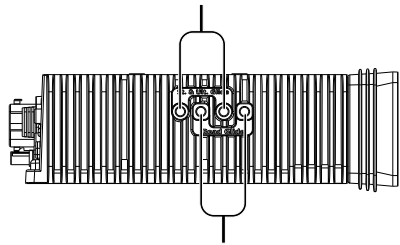


Top



Back

Installation holes for Street Glide & Ultra Glide

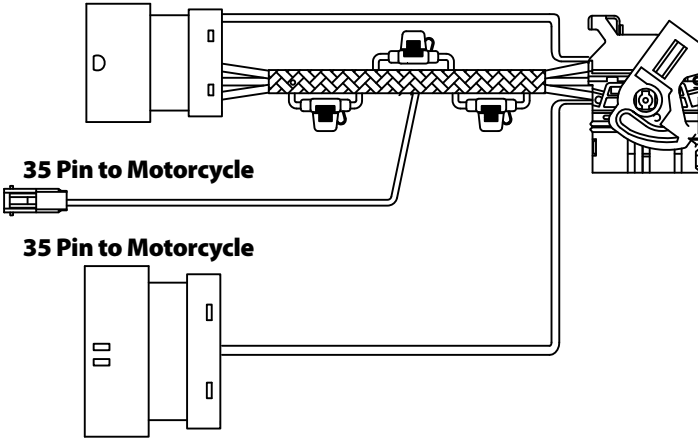


Insatallation holes for Road Glide

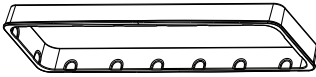
Harness Included!

23 Pin to Motorcycle

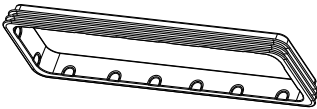
Connector to Headunit



Installation Rubber Ring:



For Road Glide installation



For Street Glide/Ultra Glide installation

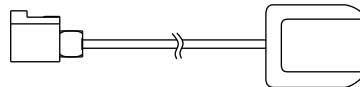
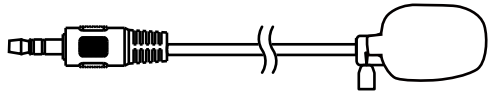
User Manual



Installation Screws (4pcs):



External Microphone:



GPS Antenna

Removal of the Original Head Unit OF Road Glide

To prevent accidental vehicle start-up, which could cause death or serious injury, remove main fuse before proceeding.

1. Remove each turn indicator by removing 2 bolts for each between the forks/handlebar & inner fairing wall. Use a 1/2" open-end/box-end wrench, ratcheting wrench, or short 1/2" socket and ratchet. The bolt might not unthread from the turn signal housing, however the acorn nut might instead. It will be easier to reinstall the indicator later if the bolt remains on the indicator housing. Set the bolts &/or acorn nuts aside and tuck the indicators aside.



Tip: Turn the handlebar/front wheel in the direction of the turn indicator you're working on to increase the work area, hopefully preventing bloody knuckles & scratched paint!

2. Remove six inner fairing bolts using a T25 Torx screw driver. Two screws are adjacent to the fuel & battery voltage gauges. Two more are located at the outside corner of each speaker grill. The last two screws are below each storage compartment hinge. Store these screws in the storage compartments for re-installation later.



Tip: Note the length of each screw set at the top, mid-section, and lower section as the lengths may differ.

3. While straddling the front wheel fender, grasp the outer fairing & gently pull it away from the inner fairing. With the fairing slightly pulled away from the bike, disconnect wire harness for the headlamp(s) and any other accessories. Lay the fairing on a protected flat surface to prevent damage.



4. Disconnect all wire harnesses from the OEM radio. Use a pry tool, flat-head screwdriver, or pick tool to lift up on the locking tab, then pull the male connector out from the female connector. Also, unplug the FM antenna & disconnect the CB antenna (if equipped). If the OEM SiriusXM tuner is installed, disconnect & remove its antenna, it will not be used.



5. Remove the OEM head unit by removing 4 screws from the head unit support bracket. Use a 3/16" hex/allen key tool to remove 2 screws from each side. Set these four screws aside for reinstallation.



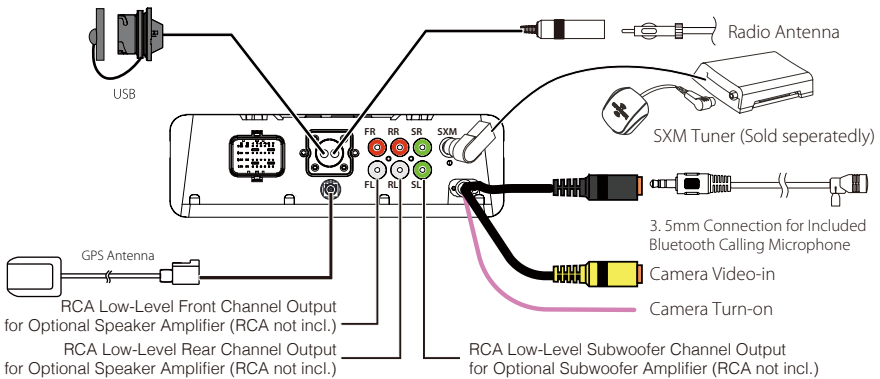
6. Gently pull the OEM radio out and up, away from the support bracket. No other parts from the OEM radio are needed.

7. Take a moment to clean the surfaces of the inner fairing surrounding the cutout for the radio & around the ovalized recess using a damp micro-fiber cloth. Any debris or residue left on these surfaces can affect the water-tight seal around WH9813.

Installation

Installation of WHD9813 Head Unit

1. Route the USB cable, antenna extension, GPS antenna, & RCA camera input w/ trigger into the cutout of the inner fairing. Firmly press WHD9813 into the ovalized recess.
2. Secure WHD9813 to the radio support bracket with the 4 screws set aside during removal of the original head unit (step 5) using the same hex/allan key tool.
3. Insert and lock the male OEM head unit wire harness connector to the female socket of the included wire harness. Then, insert and lock the male connector of the included wire harness into the corresponding female socket on the back of WHD9813. Swivel the latch into place, locking the male connector into the female receptacle.
4. Empty the contents of the storage compartment you wish to have the USB connector in. Drill a 1" hole in the middle/center of the storage compartment & liner using a 1" spade bit or step bit. Route the USB cable to the back of the storage compartment & into it. Firmly press the rubber grommet into place.
5. Connect the FM radio antenna to the female receptacle extension, and any accessory added to this installation: SiriusXM tuner, Bluetooth calling microphone, camera video-in & trigger, amplifier audio RCAs etc. The wire harness of WHD9813 also includes a blue remote turn-on wire for amplifier(s).

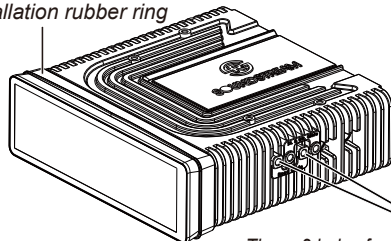


6. Take a moment to reinstall the main fuse if it was removed. At this point, WHD9813 should turn-on. Verify all speakers are playing and the head unit is functioning. If successful, tie any loose wires that might impede reinstallation of the fairing.
7. Reassemble the outer fairing to the inner fairing by following the disassembly steps in reverse:
Connect headlight wire harnesses & close the fairings together
Reattach outer fairing to inner fairing using the six screws removed previously
Tuck turn indicator wiring inside the fairing, reattach the turn indicator acorn nuts/bolts
8. Complete the installation:

Note: When installation, use the correct installation rubber ring and the screw holes onto the chassis.



Installation rubber ring



These 2 holes for Road Glide installation.

Removal of the Original Head Unit of Street Glide

To prevent accidental vehicle start-up, which could cause death or serious injury, remove main fuse before proceeding.

1. Remove four fairing screws holding the outer fairing to the inner fairing using a T27 Torx driver. The first two screws are located under the fairing adjacent to each fork:



Tip: Turn the handlebar for better access to the screws.

The second pair of screws are below/adjacent to each speaker:



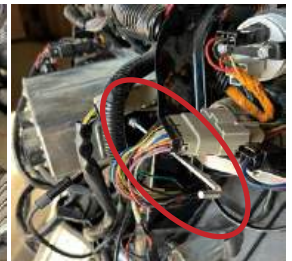
2. Remove three screws that attach the windshield & outer fairing to the inner fairing using a T27 Torx driver. Remove the windshield & set aside. Reinstall the center screw by hand to hold the outer fairing in place. Set remaining screws aside for installation later.

3. While straddling the front wheel fender, grasp the outer fairing. Remove the center windshield screw. Gently pull the fairing apart from the bike. With the fairing slightly pulled away from the bike, disconnect wire harness for the headlight or any other accessories.



4. Disconnect all wire harnesses from the OEM radio. Use a pry tool tab, flat-head screwdriver, or pick tool to lift up on the locking tab, then pull the male connector(s) out from the female connector(s). Also, unplug the FM antenna & disconnect the CB antenna (if equipped). If the OEM SiriusXM tuner is installed, disconnect & remove its antenna, it will not be used.

5. Remove the OEM head unit by removing 4 screws from the head unit support bracket. Use a 3/16" hex/allen key tool to remove 2 screws from each side. An access hole in the fairing support brackets accommodates a hex/allen tool. Set these four screws aside for reinstallation.



Installation



6. Gently pull the OEM radio out and up away from the support bracket. No other parts from the OEM radio are needed.

7. Take a moment to clean the surfaces of the inner fairing surrounding the cutout for the radio & around the rectangle recess using a damp micro-fiber cloth. Any debris or residue left on these surfaces can affect the water-tight seal around WHD9813.

Installation of WHD9813 Head Unit

1. The ignition switch needs to be removed for initial installation. Turn the handlebars to the far left, then turn the ignition switch counterclockwise to FORK LOCK.

2. Insert the key & press the unlock pin under the switch, on the left side. While pressing the unlock pin under the switch, turn the key counterclockwise slightly beyond the UNLOCK position.



3. The ignition switch should be free. Remove the ignition switch with spring and set aside.

4. Route the USB cable, antenna extension, & RCA camera input w/ trigger into the cutout of the inner fairing. Pull the chassis of WHD9813 through the rectangular recess, aligning the mounting screw holes with holes of fairing support bracket.



5. Secure WHD9813 to the radio support bracket with 4 screws set aside during removal of the original head unit (step5) using the same hex/allen key tool.

6. Insert and lock the male OEM head unit wire harness connector(s) to the female socket(s) of the included wire harness. Then, insert and lock the male connector of the included wire harness into the corresponding female socket on the back of WHD9813. Swivel the latch into place, locking the male connector into the female receptacle.



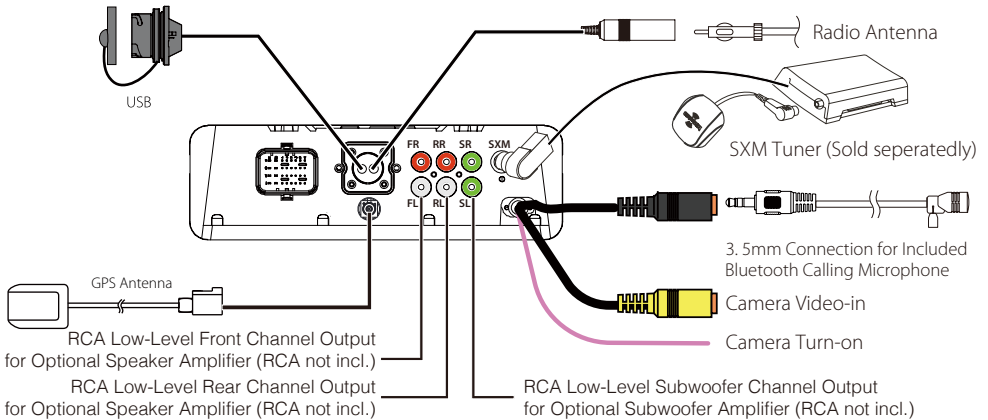


7. Identify the location you wish to have the CarPlay/Android Auto USB connector. Drill a hole at the location using a 13/16" or 7/8" spade bit or step bit. Route the USB cable from the headunit to the USB location.

8. Remove the USB port cap, unthread the plastic nut and remove the gasket for the USB port cap. Be sure the secondary gasket ring remains. Insert the threaded end of the USB port thru the hole drilled during the previous step. Slip the gasket ring of the USB port cap over the threaded USB port. Thread the plastic nut down the USB port to secure it to the fairing surface. Finally, reattach the USB port cap.



9. Connect the FM radio antenna to the female receptacle extension, and any accessory added to this installation; SiriusXM tuner, Bluetooth calling microphone, camera video-in & trigger, amplifier audio RCA's etc. The wire harness of WHD9813 also includes a blue remote turn-on wire for amplifier(s).



10. Reinstall the ignition switch pointing towards FORK LOCK with the key inserted and turned to the position beyond UNLOCK. Turn the key back to the UNLOCK position. a click sound should be heard, confirming the ignition switch has been installed correctly. If the switch is loose and comes out, repeat this step.

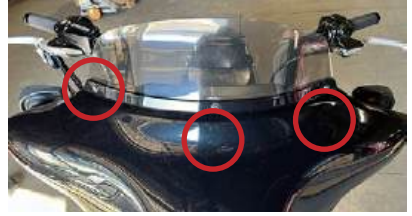


11. Take moment to reinstall the main fuse if it was removed. At this point, WHD9813 should turn-on when the ignition switch is the IGNITION position. Verify all speakers are playing and the head unit is functioning. If successful, tie any loosely hanging cable/wires that might impede reinstallaiton of the fairing.

Installation

Reinstallation of the Fairing

1. While straddling the front wheel fender and holding the outer fairing, reconnect the wire harness for the headlight or any other accessories. Hold the outer fairing against the inner fairing and loosely thread the three windshield screws hand tight using a T27 Torx driver.



2. Tuck away any loosely hanging cables/wires and loosely secure the 4 inner fairing screws using a Torx T27 driver. The first two screws are located under the fairing adjacent to each fork:



Tip: Turn the handlebar for better access to the screws.

The second pair of screws are below/adjacent to each speaker:

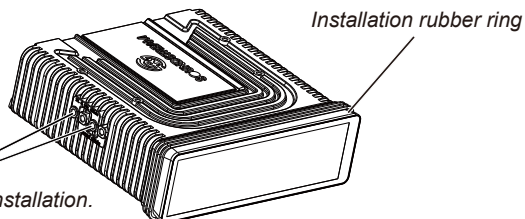
3. Remove the three windshield screws and insert the windshield into place between the inner and outer fairing. Thread the windshield screws through the outer fairing & windshield into the inner fairing.

4. Finally, tighten all the screws in to place.

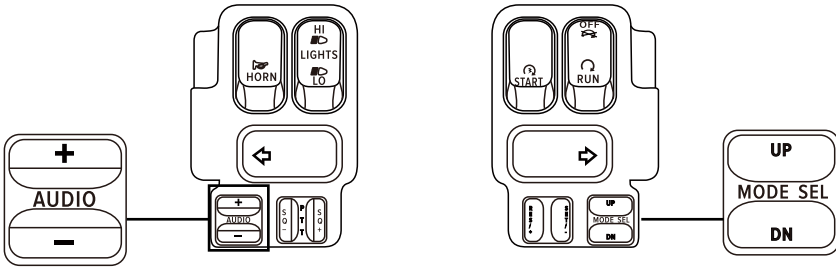
5. Complete the installation:



Note: When installation, use the correct installation rubber ring and the screw holes onto the chassis.



Handle Bar Control.



+ · Press to increase the volume value.



AUDIO

Mute Button

· When the unit is working, short pressing for Mute, press again for unmute.

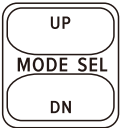
Siri Button (Voice Recognition) (Default)

· When the iPhone/Android phone is connected, Long press **this** button to start the voice control function.

Note: Long press function definition:

· This button long press function can be re-defined, please reference setting > handlebar control.

- · Press to decrease the volume value.



MODE SEL

UP · **[Radio]** Press to select Next preset radio station for broadcasting. Press and hold to seek upward.

· **[USB Music]** Press repeatedly to shift track next for playback.

Press and hold to active various fast forward speeds for playback.

· **[Bluetooth Music]** Press repeatedly to shift track next for playback.

Mode Button

· When the unit is working, press to select desired playback mode.

Bluetooth Button (Bluetooth Connected)

· When incoming call, short press to answer the call, long press to reject the call.

· When talking call, long press to hangup.

Home Button (Default)

· Long press to back the Home page.

Note: Long press function definition:

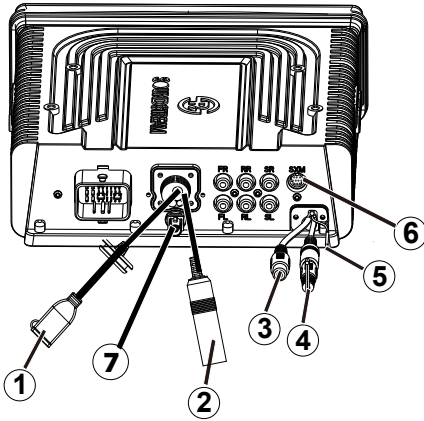
· This button long press function can be re-defined, please reference setting > handlebar control.

DN · **[Radio]** Press to select previous preset radio station for broadcasting. Press and hold to seek downward.

· **[USB Music]** Press repeatedly to shift track previous for playback.

Press and hold to active various fast rewind speeds for playback.

· **[Bluetooth Music]** Press repeatedly to shift track previous for playback.



1 USB Connector

Connect the external USB cable for USB device, Android smart phone, iPhone.

2 Radio Connector

Connect the Radio Antenna from motorcycle.

3 Camera in

Connect the Camera in.

4 External Microphone Connector

Connect the external Microphone cable.

5 Camera +12 V DC (Max 0.5A)

Connect the Camera power cable.

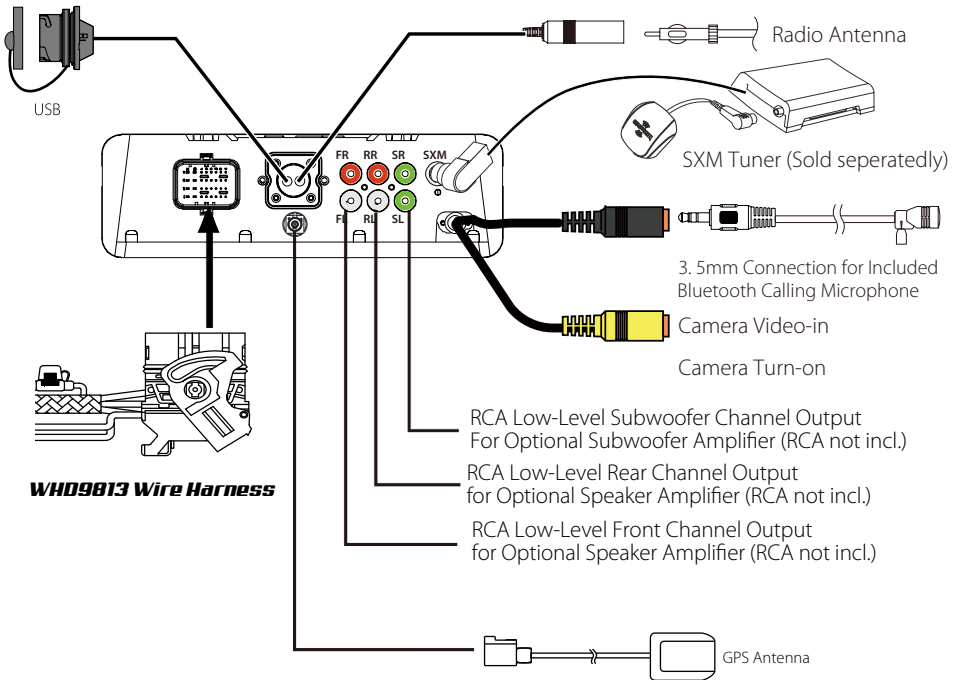
6 SiriusXM Tuner Connector

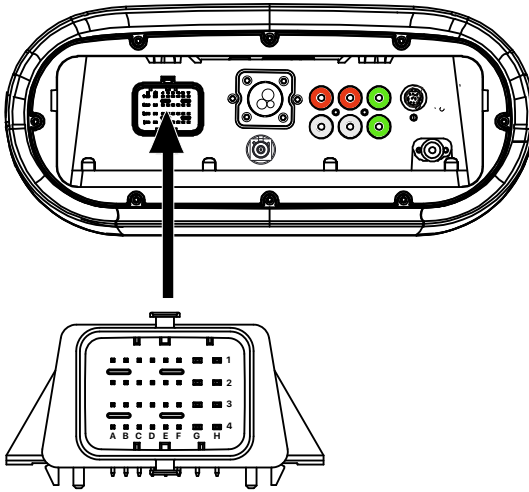
Connect the SXV300 tuner.

Note: SiriusXM SXV300 Tuner sold separately, SiriusXM subscription required.

7 GPS Antenna Connector

Connect the GPS connector.





32 Pin Connector Pin Definition:

			D1,Green/Black(RL-)
			D2,Red(ACC)
A3,Blue(SWC R2)			
A4, Blue(SWC C1)	B4, Blue(SWC C0)	C4, Blue(SWC C2)	D4, Blue(SWC C4)
E1,Green(RL+)	F1,Purple/Black(RR-)	G1, White/Black(FL-)	H1, Gray/Black(FR-)
	F2,Purple(RR+)	G2, White(FL+)	H2, Gray(FR+)
E3,Blue(REM)		G3, Black(Ground)	H3, Yellow(B+)
E4, Blue(SWC R0)	F4,Blue(SWC R1)	G4, Black(Ground)	H4, Yellow(B+)

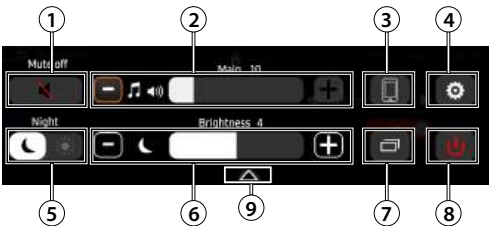
Main Menu

WHD9813 is a headunit for Motorcycle with the following functions:
Wireless / Wired Apple CarPlay®, Wireless / Wired Android Auto®, Radio, USB, BT Music, Phone, SiriusXM ready, Camera.

Touch the corresponding Mode icon to enter playing mode. The Mode icon in gray means the corresponding function is not ready, or the proper device has not been connected.



Tap to access now playing mode page:



1. Press to Mute or Un-Mute.
2. Decrease / Increase now playing source volume.
3. Press to access to the device mangement page.
4. Press to access to Settings page
5. Press to select Daytime or Nighttime.
6. Decrease / Increase the panel brightness.
7. Press to access to display off mode.
8. Press to power off the headunit
9. Press to hide the Pop-up menu.

Display off mode show the time information as below:



General Settings:

The **General Settings** allow the user to set up the **Language, Date & Time, Touch feedback, Factory Reset, GPS Available Satellites** and **About**.



Language: Tap left/right arrow to select the desired language.

Date & Time:

To setting Time format (12H or 24H), setting the date and time



Touch Feedback: On / Off

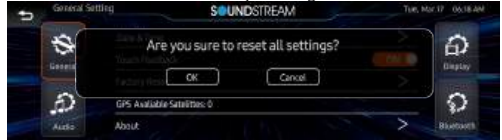
To set the touch button beep tone is On or Off.

GPS Available Satellites:

Show the current available GPS satellite quantity.

Factory Setting:

To default the default factory settings:



Tap "OK" to reboot the headunit, or "Cancel" it.

About:

To display the WHD9813 MCU, SOC, firmware version.



How to Update:

1. Download the newest Firmware Update and Save to Computer.
After downloading, make sure the compressed files are unzipped and are copied onto a blank USB Flash Drive (64GB Max) on the Root Directory File of USB Flash Drive.
2. Insert USB stick and select the "Settings Icon" from the Home Screen.
3. Select "System Settings" Tab at top, then next screen select "About" button.
4. Select "Update" and on next screen, select "Update" Again.
5. (Wait for both Updates to complete)
Headunit will restart itself once both updates are complete. New Firmware Info:xxx

Note:

Use a good quality flash drive to successfully execute this update.

Not all USB flash drives are the same.

Use a flash drive with Type-A connector.

The USB port Harley Davidson built into your bike is Type-A. Your flash drive needs to be Type-A also. Flash drives with USB Type-C connectors, Type-C to Type-A adapter cables, etc. should not be used. Although more convenient, they increase the chances of corrupt@on or failed data transfer.

Format your flash drive before saving the update.

Before downloading the update to your flash drive, format it using FAT32 file format. This can be done by the disk drive tools of your PC/iOS computer. Be sure to copy any files previously saved on the flash drive before formatting as this process will erase any files previously saved. This fresh formatting of your flash drive will reduce the chances of data corrupt on or errors when saving & uploading the update.

Use a good quality flash drive from a reputable manufacturer.

Avoid flash drives you might have go a vendor at a rally, part of a novelty key chain/toy, from a \$1 container at your local convenience store, etc. These tend to be poorer quality, have slower data transfer rates, and are more likely to crash during downloading or uploading. If the data transfer to your HDHU fails during the process, it is possible the computer inside your WHD9813 will become corrupt, and it may not be recoverable.

Handlebar Setting:



Note: The AUDIO / MODE SEL button long press function can be re-definition.

AUDIO

Siri Button (Voice Recognition) (Default)

- When the iPhone/Android phone is connected, Long press **this** button to start the voice control function.

MODE SEL

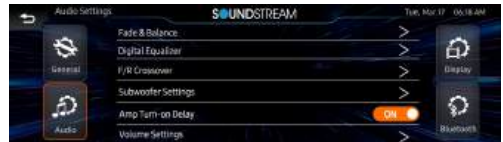
Home Button (Default)

- Long press to back the Home page.
- Press Left/Right button to select the desired function.

HOME/CP(AA)/Radio/Camera/USB/SXM(only connected) / Power Off/Day(night)/Voice will be available.

Audio & EQ Setting

Below shown is the Audio setting Menu.



Balance/Fader:

Touch the + or – of Balance/Fade to tune for the driver and passenger preference.

The value of **Balance (Left 12 – Right 12)** and **Fader (Front 12 – Rear 12)**.

Touch **Reset** to set both **Balance** and **Fader** to **0**.



15-Band Equalizer:

15-band of EQ tuning, slide the **EQ** bar to tune each band frequency level according to user preference.

Touch **Reset** button to sell all Band to **zero**.



Touch "v" or "^" to select the preset equalizer:
Custom1 > Custom2 > Rock > Electronic > Pop > Jazz > R & B > Salsa > Country > Hip_Hop > Dance > Soul.

Settings

About the Crossover

This unit is equipped with an active crossover. The crossover limits the frequencies delivered to the outputs.

The crossover adjusts the HPF (high pass filter) or LPF (low pass filter) of speakers and subwoofer, and also the slope (how fast the filter rolls off the highs or lows).

Adjustments should be made according to the reproduction characteristics of the speakers. Depending on the speakers, a passive network may not be necessary.

If you are unsure about this point, please consult your authorized Alpine dealer.

- **HPF (high pass filter):** Cuts the lower frequencies and allows the higher frequencies to pass.
- **LPF (low pass filter):** Cuts the higher frequencies and allows the lower frequencies to pass.
- **Slope:** The level change (in dB) for a frequency change.
 - The higher the slope value, the steeper the slope becomes.
 - Do not use a tweeter without the HPF set on, with a high cut-off frequency, otherwise damage may occur to the speaker due to the low frequency content.

• **Adjustment** should be made according to the recommended crossover frequency of the connected speakers. Determine the recommended crossover frequency of the speakers. Adjusting to a frequency range outside that recommended may cause damage to the speakers.

For the recommended crossover frequencies of speakers, refer to the respective Owner's Manual.

We are not responsible for damage or malfunction of speakers caused by using the crossover outside the recommended value.

User can touch "-" or "+" to select the desired frequency Value.



Set Rear Speaker Crossover Frequency & Slope.

Set Front Speaker Crossover Frequency & Slope.

User can touch "-" or "+" to select the slope is 12dB or 24dB

User can touch "-" or "+" to select the desired frequency Value.



Set Low Pass Crossover Frequency & Slope.

Set Subsonic Crossover Frequency.

User can touch "-" or "+" to select the slope is 12dB or 24dB

AMP Turn-on Delay: ON /OFF.

User can set AMP Turn-on Delay is ON or OFF.

Volume setting:



Source Level Adjust:



User can adjust the source mode (**Radio, USB, BT Audio, Apple CarPlay, Android Auto**) gain value. The gain can be adjusted from -5~+5 seperately.



User can select Maximum Volume is On / Off.

When select ON, user can set the desired Maximum Volume level.

Default Audio:



Subwoofer Settings:



Subwoofer Output: ON or OFF.

Subwoofer Level: -10~+10

Subwoofer Crossovers:

Subwoofer Phase: 0° or 180°.

Display setting:

Below is the Display setting menu, user can select *Background Wallpaper, Brightness, Camera View*.



Background Wallpaper:

User can select the preset wallpaper or select prefer picture in USB driver as the wallpaper.



Press + to download a custom JPG background wallpaper image from a USB flash drive, or reselect from the options below... For best results, use an image with resolution of 1280x360.

Day/ Night Settings

Set the Day / Night time screen brightness.



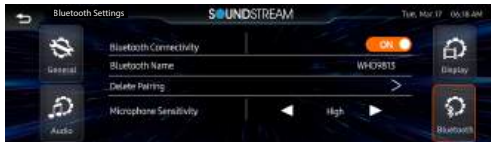
Night Mode Auto is ON status, you can set the *Start / Exit* time by manually.

Camera View:

Switch the camera view is Normal or Reverse.

Bluetooth Settings:

Touch the Bluetooth Settings from the setting menu will be shown below:



Bluetooth: On/Off (Select Bluetooth connection is On or Off).

Device Name: WHDRG .

Delete Pairing: To clear the device list records.

Microphone Sensitivity: Select the Microphone sensitivity: High>Mid>Low.

Apple CarPlay : WARNING Starting procedure of using Apple CarPlay

You can operate iPhone applications with finger gestures such as tapping, dragging, scrolling, or flicking on the screen of this product.

Compatible iPhone models

For details about compatibility of iPhone models, refer to the following website. <https://www.apple.com/ios/carplay-> Certain uses of the iPhone may not be legal while driving in your jurisdiction, so you must be aware of and obey any such restrictions. If in doubt as to a particular function, only perform it while the car is parked. No feature can be used unless it is safe to do so under the driving conditions you are experiencing.

- iPhone with iOS 7.1 or later is required. Update to the latest iOS version before use.
- Apple CarPlay can be used on iPhone 5 or later.
- For details on compatible models, refer to the compatibility list on the support site on the back cover.
- For details about Apple CarPlay, refer to the manual supplied with your iPhone, or visit the website of Apple CarPlay.
- Since the GPS on your iPhone is used, place your iPhone where it can easily receive a GPS signal

• The Bluetooth connection with the Apple CarPlay compatible device will be terminated automatically if Apple CarPlay is turned on.

• Hands-free phoning via Bluetooth wireless technology is not available while Apple CarPlay is on.

1 Connect an Apple CarPlay compatible device to this unit via USB.

2 Touch the Apple CarPlay icon.

The Apple CarPlay home screen appears. You can use Apps of connected iPhone.

The items displayed and the language used on the screen differ among the connected devices.

To enter the Apple CarPlay mode, touch Apple Carplay icon on the Home selection screen.

Notes on using Apple CarPlay-

You can use Siri function by touching button once Apple CarPlay is activated

Apple CarPlay® & Android Auto®



1 Application keys

Start the application.



Display the home screen of Apple CarPlay. Touch and hold to activate Siri.



Exit the Apple CarPlay screen and displays Home screen.

* The icon design may change depending on the iOS version.


How to connect Wireless Apple CarPlay

Starting procedure of using Wirelessly Apple CarPlay

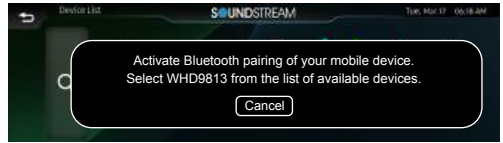
Before using Apple CarPlay wirelessly, turn on the Bluetooth function on the iPhone.

1 On the Main menu tap the **SOUNDBOOSTER** icon to activate the Pop-menu ,

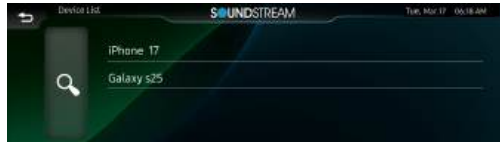


2 On the Pop- menu tap the  icon to access to device management page.

Below pop-up menu will be shown:



The available devices will be shown:



Tap iPhone start to connecting...

The user use the iPhone search the device via Bluetooth , then follow the pop notice step by step to connect

1. Turn on your iPhone's Bluetooth and Wi-Fi, and connect to WHD9813.



a. Go to Settings > Bluetooth and the phone should be able to find a Bluetooth Device (WHD9813) .



b. A Bluetooth Pairing Request will be displayed on the screen with a specific code which should match what is shown on. Tag "Pair" for connecting.

c. Immediately following the Pairing notification, a new request to "Allow Contacts and favorites Sync" on your iPhone, Allow in order to have caller ID and access to your contacts through CarPlay.

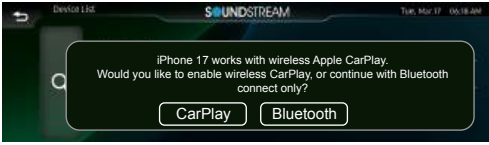
Note: Following the BT connection, there is no need to try and connect WIFI manually (although it does need to be ON), after the BT connection process is complete, the WIFI will connect automatically on its own.

3.Wait for a moment for CarPlay connection, click use CarPlay and enter the UI interface.

4. iPhone will pop-up prompts, click "Use CarPlay".

Apple CarPlay® & Android Auto®

2. When the headunit detect the available device, follow the pop-up notice step by step to connect the iPhone. After connected, will show below page:



2. When the headunit detect the available device, follow the pop-up notice step by step to connect the iPhone. After connected, will show below page:



1. Tap to start to search new device.
2. Tap to access Apple CarPlay interface.
3. Tap to access Bluetooth interface.
4. Tap to delete current device.

Android Auto®:

You can operate Android applications with finger gestures such as tapping, dragging, scrolling, or flicking on the screen of this product

Starting procedure of using Android Auto

1 Connect an Android Auto™ compatible device to this unit via USB.

2 Touch the Android Auto icon.

The Android Auto home screen appears

Note: You can use Voice function by touching

🗨️ button once Android Auto is activated.

- The Bluetooth connection with the Android Auto compatible device will be terminated automatically if Android Auto is turned on.
- Hands-free phoning via Bluetooth wireless technology is not available while Android Auto is on.

Notes on using Android Auto

- Android phone with Android 5.0 or higher is required. Update to the latest OS version before use.
- Your Android phone needs to support Android Auto. For details on compatible models, refer to the compatibility list on the support site on the back cover.
- Download the Android Auto app on Google Play.
- For details about Android Auto, refer to the manual supplied with your Android phone, or visit
- Since the GPS on your Android phone is used, place your Android phone where it can easily receive a GPS signal.
- Android Auto may not be available in your country or region. the website of Android Auto.



① Application keys

Start the application.

② Home

Exit the Android Auto screen and displays Home screen.

③ Operation Bar


Starts the application or displays information.

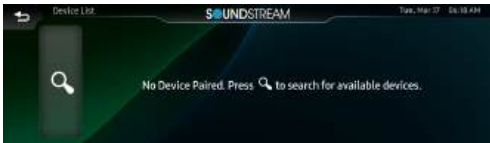
How to connect Wireless Android Auto Starting procedure of using Wirelessly Android Auto

Before using Android Auto wirelessly, turn on the Bluetooth function on the smart phone.

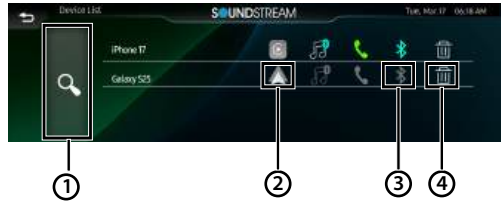
1 On the Main menu tap the **SOUNDSTREAM** con to activate the Pop-menu ,



2 On the Pop- menu tap the  icon to access to device management page.
Below pop-up menu will be shown:



When the headunit detect the available device, follow the pop-up notice step by step to connect the iPhone. After connected, will show below page:



1. Tap to start to search new device.
2. Tap to activate Android Auto interface.
3. Tap to activate Bluetooth interface.
4. Tap to delete current device.

Note: Following the BT connection, there is no need to try and connect WIFI manually (although it does need to be ON), after the BT connection process is complete, the WIFI will connect automatically on its own.

- 3.Wait for a moment for Android Auto connection, click use Android Auto and enter the UI interface.
4. Android Phone will pop-up prompts, click "Use Android Auto".

The user also can use the Android Smartphone search the device via Bluetooth , then follow the pop notice step by step to connect wireless Android Auto.

1. Turn on your phone's Bluetooth and Wi-Fi, and connect to WHD9813.

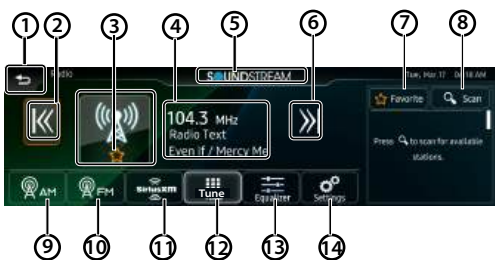
a. Go to Settings > Bluetooth and the phone should be able to find a Bluetooth Device(WHD9813) .



b. A Bluetooth Pairing Request will be displayed on the screen with a specific code which should match what is shown on. Tag "Pair" for connecting.

c. Immediately following the Pairing notification, a new request to "Allow Contacts and favorites Sync" on your Android smartphone, Allow in order to have caller ID and access to your contacts through Android Auto.

Touch **Radio** in the main menu to enter the radio interface.



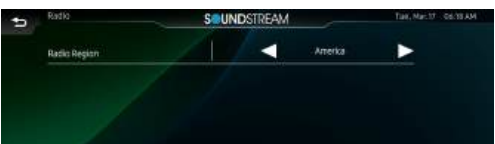
1. Tap to back to home page.
2. Short press to seek down, Long press to step down.
3. Tap to store current station as one favorite station.
4. Show current station frequency information.
5. Tap to activate the Pop-up menu.
6. Short press to seek up, long press to step up.
7. Tap to show the stored favorite stations list.
8. Tap to start search the available station and store it.
9. AM button.
10. FM button.
11. SiriusXM Button
12. Goto button.
13. EQ button.
14. Radio settings Button.

Goto function: input the desired frequency numbers directly:



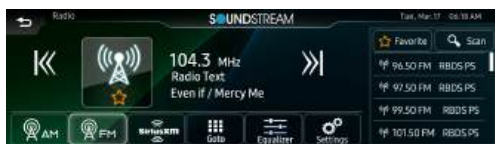
Radio setting:

Radio Region: Select desired radio region.
e.g: America, Europe...



Preset channel, six preset buttons store and recall stations for each band. Touch and slide the preset channel can switch to next band FM1/FM2/FM3 or AM1/AM2.

Favorite list: Show the stored favorite station list:



SIRIUSXM® SATELLITE RADIO

Only SiriusXM- Ready® brings you more of what you love to listen to, all in one place. Get over 140 channels, including commercial-free music, plus the best sports and live events, comedy, news, exclusive talk, and entertainment. Welcome to the world of satellite radio. A SiriusXM vehicle tuner and subscription are required. (Sold separately, SiriusXM subscription required).

For more information, visit

www.siriusxm.com.

(SiriusXM service is only available in the continental US and Canada.)

Activating Your SiriusXM Subscription

After installing your SiriusXM Connect Vehicle Tuner and antenna, power on your SoundStream V2 and select SiriusXM mode. You should be able to hear the SiriusXM preview channel on Channel 1. If you cannot hear the preview channel, please check the installation instructions to make sure your SiriusXM Connect tuner is properly installed.

After you can hear the preview channel, tune to Channel 0 to find the Radio ID of your tuner. In addition, the Radio ID is located on the bottom of the SiriusXM Connect Vehicle Tuner and its packaging. You will need this number to activate your subscription. Write the number down for reference.

Note: the SiriusXM Radio ID does not include the letters I, O, S or F.

In the **USA**, you can activate online or by calling SiriusXM Listener care:

-Visit www.siriusxm.com/activatenow

-Call SiriusXM Listener Care at

1-866-635-2349

For Canadian Subscriptions, please contact:

-Visit www.siriusxm.ca/activate

-Call SiriusXM Customer Care at **1-888-539-7474**

As part of the activation process, the SiriusXM satellites will send an activation message to your tuner. When your radio detects that the tuner has received the activation message, your radio will display "Subscription Updated". Once subscribed,

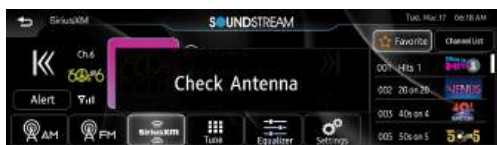
you can tune to channels in your subscription plan.

Note: The activation process usually takes 10 to 15 minutes, but may take up to an hour. Your radio will need to be powered on and receiving the SiriusXM signal to receive the activation message.

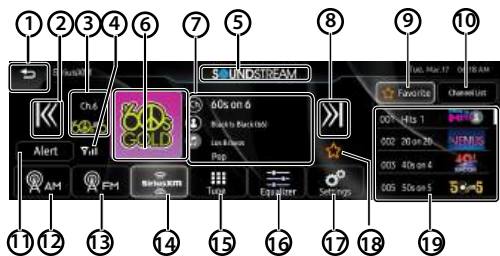
Some SiriusXM channels contain mature content. When the Parental Controls feature is enabled, channels with mature content are restricted and will require a 4-digit lock code to access.

To enter **SiriusXM** Mode, touch the SXM icon on the Radio menu.

If the screen is shown **“Check Antenna”** as below, check the SiriusXM tuner connection.



SXM Playback

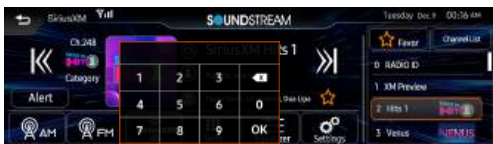


1. Tap to back to home page.
2. Tap to playback previous channel.
3. Show current playing channel information.
4. how the signal strength: Excellent/Good/ Weak/ No signal.
5. Tap to activate the Pop-up menu.
6. Show current station ID
7. Show current station album art.
8. Tap to playback next channel.
9. Tap to show stored favorite channel list.
10. Tap show received channel list.
8. Tap to access the SXM settings page.
9. Tap to access to channel list.
10. Tap to access Favorite list page.
11. Tap to Alert current station's Song/ Artist.
12. AM button.
13. FM button.
14. SiriusXM Button
15. Goto button. Directly in put the channel number.
16. EQ button.
17. SiriusXM settings Button.
18. EQ button.
17. SiriusXM settings Button.
18. Tap to store current station as one favorite station.

Direct Tune

Press **“GOTO”** to shown the direct tune interface, user can direct enter the channel number and touch **“OK”** to go to the desire channel.

Press backspace  to clear the previous digit.



Artist and Song Alert

While listening to SiriusXM Satellite Radio, user can mark Artists and/or Songs for which you wish to be alerted. The radio will display an Alert message when a matching artist or song is found on another channel. Then user can choose if you want to tune to that favorite or user can ignore the alert and stay on your current channel. To store an artist or song title, touch on the "artist" or "song" metadata on the display. User will then be prompted to set the alert for the Artist or the Song Title. User will be alerted when one of your stored artists or songs is playing on another channel. If multiple alerts happen at the same time, or the alert gets dismissed, user can touch the ALRT button to list the channels that are currently playing your artist or song.



- Tap "Artist" to alert current artist.
- Tap "Song" to alert current song.
- Tap "Cancel" to dismiss the pop menu.

SXM Settings

Change Pass Code

Touch **“Change Passcode”** to show the below screen. Input the passcode by using the keypad.



Note: The default password is :0000

Parental Controls

Some SiriusXM channels contain mature content. When the Parental Controls feature is enabled, channels with mature content are restricted and will require a 4-digit lock code to access.



Note: The default password is :0000

How to lock the station:

After input the parent code, the below available channel list will be shown. Press one channel item for locking, press again to unlock.

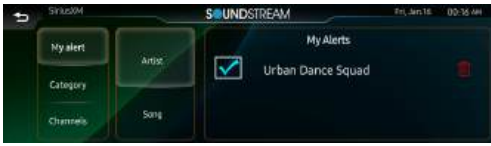


My Alert

Press the My Alerts key to view all stored artist & song title alerts.

Press Artist / Song to show the stored the alerts.

Tap the delete icon to delete it accordingly.



Channel List

Touch the "Channel" and below as shown

Touch "Artist/Song/ Info / Category / Channel" button at MID bar to display the channel detailed information.



Category List

Touch the "Category" for the Category list

Slide the MID bar to choose the desired category item the channels will be shown accordingly.

SXM Trouble List

On-Screen Display	Advisory Message	Cause	Explanation / Solution
Check Antenna	Check Antenna	The radio has detected a fault with the SiriusXM antenna. The antenna cable may be either disconnected or damaged.	<ul style="list-style-type: none"> Verify that the SiriusXM Connect Vehicle Tuner cable is securely connected to the radio SiriusXM connector/ cable. If the problem persists, disconnect and reconnect the tuner and then contact your dealer.
Check Tuner	Check Tuner	<ul style="list-style-type: none"> The radio has difficulty communicating with the SiriusXM Connect Vehicle Tuner. The tuner may be disconnected or damaged. 	<ul style="list-style-type: none"> Verify that the SiriusXM Connect Vehicle Tuner cable is securely connected to the radio SiriusXM connector/ cable. If the problem persists, disconnect and reconnect the tuner and then contact your dealer.
No Signal	No Signal	The SiriusXM Connect Vehicle Tuner has difficulty receiving the SiriusXM satellite signal.	<ul style="list-style-type: none"> Verify that your vehicle is outdoors with a clear view of the southern sky. Verify that the SiriusXM magnetic mount antenna is mounted on a metal surface on the outside of the vehicle. Move the SiriusXM antenna away from any obstructions. Inspect the antenna cable for damage and kinks. Replace the antenna if the cable is damaged. If the problem persists, disconnect and reconnect the tuner and then contact your dealer.
Channel Not Available	Channel Not Available	The channel that you have requested is not a valid SiriusXM channel or the channel that you were listening to is no longer available. You may also see this message briefly when first connecting a new SiriusXM Connect Vehicle tuner. Visit www.siriusxm.com for more information about the SiriusXM channel lineup.	The channel that you have requested is not a valid SiriusXM channel or the channel that you were listening to is no longer available. You may also see this message briefly when first connecting a new SiriusXM Connect Vehicle tuner. Visit www.siriusxm.com or www.siriusxm.ca for more information about the SiriusXM channel lineup.
Channel Not Subscribed	Channel Not Subscribed	The channel that you have requested is not included in your SiriusXM subscription package or the channel that you were listening to is no longer included in your SiriusXM subscription package.	<ul style="list-style-type: none"> Questions about your subscription in the United States please visit http://www.siriusxm.com/activatenow or call SiriusXM Listener Care at 1-866-635-2349. Questions about your subscription in Canada please visit http://www.siriusxm.ca/help/activation-help/ or call XM Listener Care at 1-888-539-7474
Channel Locked	Channel Locked	The channel that you have requested is Locked by the radio	See the section on Lock Channel, more information on the Lock Channel feature and how to access locked channels.
Please Enter the Lock Code	Please Enter the Lock Code	User prompted to enter the lock/unlock code.	Enter the four digit code to unlock the channel
Incorrect Passcode Entered	Incorrect Passcode Entered	The unlock code entered by the user is incorrect	<ul style="list-style-type: none"> Input the correct four digit code to unlock the channel. Reset lock code to default following instructions.

USB

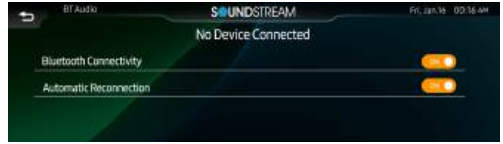
Plug the USB then the USB icon will be colorful.
Touch the USB icon to enter the USB playback mode. The source unit will playback the audio in the USB device.



1. Tap to back to home page.
2. Tap to playback previous track, press and hold to activate the fast reverse, press again to select fast reverse speed.
3. Show the song's album art picture.
4. Show the song's ID3 information.
5. Tap to activate the Pop-up menu.
6. Tap to playback next track, press and hold to activate the fast forward, press again to select fast forward speed.
7. Tap to back up-folder level.
8. Show the USB folder name.
- 9 Tap to select play/ pause.
10. Tap to select repeat all / repeat 1 / repeat directory.
11. Tap to select Random is On / Off.
12. Tap to access to EQ settings page.
13. Tap to playback previous folder.
14. Tap to playback next folder.
15. Show the playback time information.
16. Show the file list.

Bluetooth Connect:

If the Bluetooth is not connected, the No Device Connected information will be as below:




How to pair the connection:

Before using Android Auto wirelessly, turn on the Bluetooth function on the smart phone.

- 1 On the Main menu tap the **SUNDSTREAM** icon to activate the Pop-menu ,



- 2 On the Pop- menu tap the  icon to access to device management page.

Below pop-up menu will be shown:



The user also can use the Android Smartphone search the device via Bluetooth, then follow the pop notice step by step to connect Bluetooth

1. Turn on your phone's Bluetooth and Wi-Fi, and connect to WHD9813.

a. Go to Settings > Bluetooth and the phone should be able to find a Bluetooth Device(WHD9813) .

b. A Bluetooth Pairing Request will be displayed on the screen with a specific code which should match what is shown on. Tag "Pair" for connecting.

c. Immediately following the Pairing notification, a new request to "Allow Contacts and favorites Sync" on your smartphone. Allow in order to have caller ID and access to your contacts through Bluetooth.

Bluetooth Phone

When the headunit detect the available device, follow the pop-up notice step by step to connect the iPhone. After connected, will show below page:



1. Tap to start to search new device.
3. Tap to activate Bluetooth interface.
4. Tap to delete current device.

BT Audio

After finished the Bluetooth Connection, the BT Audio icon will be colorful.

Touch the BT Audio icon to access to BT Audio playback mode.



1. Tap to back to home page.
2. Tap to playback previous track.
3. Show the song's ID3 information.
4. Tap to activate the Pop-up menu.
5. Tap to playback next track.
6. Show the song's album art picture.
7. Tap to access to EQ settings page.
8. Show the playback time information.
9. Tap to playback play or pause.

BT Phone

After the mobile Phone is connected with the source unit via **Bluetooth(HFP)**, the user can go through the source unit.

Make a phone call. Touch the phone icon in Main Menu to go to BT Phone mode. Please note it needs to connect the microphone for phone calls.



Once the phone and unit are connected successfully, you'll be able to make calls from the unit.

Touch to make a call.

1. Using the keypad, touch 0-9,*,#, enter the phone number you wish to dial. If you input

an incorrect number, touch the icon on the keypad to delete the incorrect number.

2. Once the correct number appears on the

screen, touch the icon. To go to dialing interface.

3. To end the call, touch the icon on the screen.

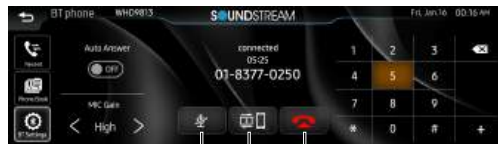
Receive an incoming call

If the Phone is connected with the source unit via Bluetooth, when an incoming call, below screen will be shown:



Press to answer the incoming call.

Press to reject the incoming call.



- 1 **Mute Microphone Button**
 - Press to Microphone Mute or Un-Mute.
- 2 **Hang-up Button**
 - Press to hang-up the calling.
- 3 **Switch Button**
 - Press to switch call audio to phone or AV receiver.

Recent (Calling Record)

Check for dialed/answered/missed calls history.

Touch icon to enter calling record interface:



Phone Book



When your phone and unit are paired, the unit can automatically reach contacts from your phone and store them within the unit.(selected phones only)

BT Settings



Auto Answer On /OFF, incoming call auto answer.

MIC Gain, Set MIC Gain is High/Mid/Low.

Camera View

For connecting a camera.

Displaying the picture from the Camera

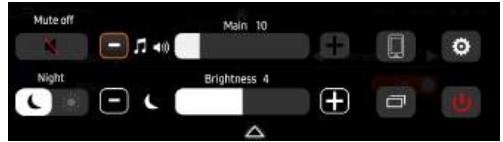
The camera view screen is displayed when you enter the Camra in.


Note:

WHD9813 can support 720p high resolution camera in.

How to Access to the Display Off:

1 On the Main menu tap the **SOUNDESTREAM** icon to activate the Pop-menu ,



2 On the Pop- menu tap the  icon to access to device management page.

Below pop-up menu will be shown:



Trouble Shooting

If you have problems operating this product, refer to this section. The most common problems are listed below, along with likely causes and solutions. If a solution to your problem cannot be found here, contact your dealer or the nearest authorised Soundstream service facility.

Problem		Correct action
General	No response from the unit.	<ul style="list-style-type: none"> Restart the unit by turning off the motorcycle for ten seconds, then turning the motorcycle back on.
	No sound from the unit.	<ul style="list-style-type: none"> The unit is muted. Adjust the volume. Select the correct audio source on the unit.
USB	Cannot play a media file.	<ul style="list-style-type: none"> The file format on the USB flash drive is not supported by the unit. Change media files. The file system of the USB flash drive is not supported by the unit. Change the USB drive.
Bluetooth	Cannot make Bluetooth streaming.	<ul style="list-style-type: none"> Make sure your mobile phone is within Bluetooth range. Pair and connect your mobile phone. CarPlay or Android Auto is being connected. Unplug your mobile phone from the unit to enable Bluetooth connection.
	Poor hands-free phone call quality.	<ul style="list-style-type: none"> Check signal strength on your mobile phone. Check that the microphone is firmly attached and plugged in. Or relocate the microphone for noise reduction.
	Cannot make Bluetooth connection.	<ul style="list-style-type: none"> CarPlay/Android Auto connection disables Bluetooth on the unit. Unplug CarPlay or Android Auto from the unit to enable Bluetooth connection. The unit is already connected to a mobile device. Disconnect the current Bluetooth connection before connecting to another Bluetooth device.
Apple CarPlay	<p>Connection failed.</p> <ul style="list-style-type: none"> -Communication failed and the system is trying to connect. -Wait for a while. Then, perform the actions below if the error message is still displayed. 	<ul style="list-style-type: none"> Restart the iPhone. Disconnect the cable from the iPhone, and then connect the iPhone again after a few seconds. Turn the ignition switch to OFF and then to ON.
Android Auto	<ul style="list-style-type: none"> Connect a USB cable to get started. Your phone does not support wireless, check your phone. 	<ul style="list-style-type: none"> Check if the device is compatible with Android Auto. Android Auto app is not installed on the device. Then install the app.
	<ul style="list-style-type: none"> Connection failed. Please check your phone to confirm connection. 	<ul style="list-style-type: none"> Wi-Fi connection failed and Android Auto app did not start. Check if the Wi-Fi function on the device is turned on.
	<ul style="list-style-type: none"> Android Auto has disconnected. 	<ul style="list-style-type: none"> Turn on the Wi-Fi function on the device and the unit when you use Android Auto.
FM/AM Radio	<ul style="list-style-type: none"> Poor radio reception. 	<ul style="list-style-type: none"> FM/AM antenna is not connected or extended. Connect and secure an FM/AM antenna (not included). The antenna output wire is not connected. Connect the wire. Turn off RDS/RBDS, TA and AF.

Epsilon Electronics Inc. promises to the original purchaser of this product to repair to like-new condition or replace this product with a new or like-new unit (at Epsilon Electronics' sole and absolute discretion), should it prove to be defective in workmanship or material under normal use, for a period of two-years (2-years) from the date of purchase from a Soundstream and/or Precision Power authorized retailer. During this two-year (2-year) period, there will be no service charge for repair or replacement.

This limited warranty extends only to the original purchaser of the product, and it is not transferable to the next owner or purchaser of the motorcycle into which the product was originally installed. This warranty does not cover labor costs for removal and reinstallation of the product.

This warranty is void if the product has been damaged caused by installation or removal of the product and will not apply to any unit that is determined to have been modified or mis-used in a manner contrary to its intended purpose. This warranty is void if the product has been damaged by accident or unreasonable use, neglect, improper service or other causes not arising out of defects in material, construction, or workmanship. This warranty does not include the elimination of externally generated static or noise, or the correction of antenna problems or weak reception, damage to speakers, accessories, electrical systems, cosmetic damage or damage due to negligence, misuse, failure to follow operating instructions, accidental spills or customer applied cleaners, damage due to environmental causes such as floods, airborne fallout, chemicals, salt, hail, lightning or extreme temperatures, damage due to traffic accidents, road hazards, fire, theft, loss or vandalism, damage due to improper connection to equipment of another manufacturer or modification of existing equipment.

To file a warranty claim, please contact Soundstream's warranty office to obtain a Return Authorization number prior to shipping the product:

Phone: 1-800-724-1377

E-mail: repairs@soundstream.com

Website: soundstream.com/warranty

Epsilon Electronics Inc.

1550 South Maple Ave

Montebello, CA 90640 USA

After receiving the RA number, pack the product into suitable packaging, include dated proof of purchase, (i.e. a receipt or bill of sale) from the authorized retailer and a money order or cashier's check for return freight to Epsilon Electronics' corporate office, addressed above. Please clearly write the RA number on the outside of the packaging.

IN ORDER FOR THE TWO-YEAR (2-YEAR) WARRANTY TO BE VALID, THE PRODUCT MUST BE SHIPPED WITH PROOF OF PURCHASE FROM AN AUTHORIZED SOUNDSTREAM AND/OR PRECISION POWER AUTHORIZED RETAILER. ANY PRODUCT RECEIVED BY SOUNDSTREAM FOR WARRANTY WITHOUT AN RA NUMBER AND PROOF OF PURCHASE FROM A SOUNDSTREAM AND/OR PRECISION POWER AUTHORIZED RETAILER WILL BE REFUSED. BY PURCHASING THIS PRODUCT, ALL WARRANTIES INCLUDING BUT NOT LIMITED TO EXPRESS WARRANTY, IMPLIED WARRANTY, WARRANTY OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, AND WARRANTY OF NON-INFRINGEMENT OF INTELLECTUAL PROPERTY ARE EXPRESSLY EXCLUDED TO THE MAXIMUM EXTENT ALLOWED BY LAW. SOUNDSTREAM NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT ANY LIABILITY IN CONNECTION WITH THE SALE OF THE PRODUCT. SOUNDSTREAM HAS ABSOLUTELY NO LIABILITY FOR ANY AND ALL ACTS OF THIRD PARTIES INCLUDING ITS AUTHORIZED RETAILERS OR INSTALLERS. BY PURCHASING THIS PRODUCT, THE CONSUMER AGREES AND CONSENTS THAT ALL DISPUTES BETWEEN THE CONSUMER AND SOUNDSTREAM SHALL BE RESOLVED IN ACCORDANCE WITH CALIFORNIA LAWS IN LOS ANGELES COUNTY, CALIFORNIA. Some states do not allow limitation on how long an implied warranty lasts. In such states, the limitation or exclusions of this Limited Warranty may not apply. Some states do not allow the exclusion or limitation of incidental or consequential damages. In such states, the exclusion or limitation of this Limited Warranty may not apply to you. This Limited Warranty gives you specific legal rights, and you may have other rights which vary from state to state.

FCC Notes

FCC Compliance

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.

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.
- 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.

www.MotorcycleAudio.com

Follow Us on Social Media

