

Stinger®

6.8"
Infotainment
System

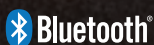

Wireless

 Works with
Apple CarPlay
 Works with
Android Auto

PN: IE268E



IE268E USER GUIDE





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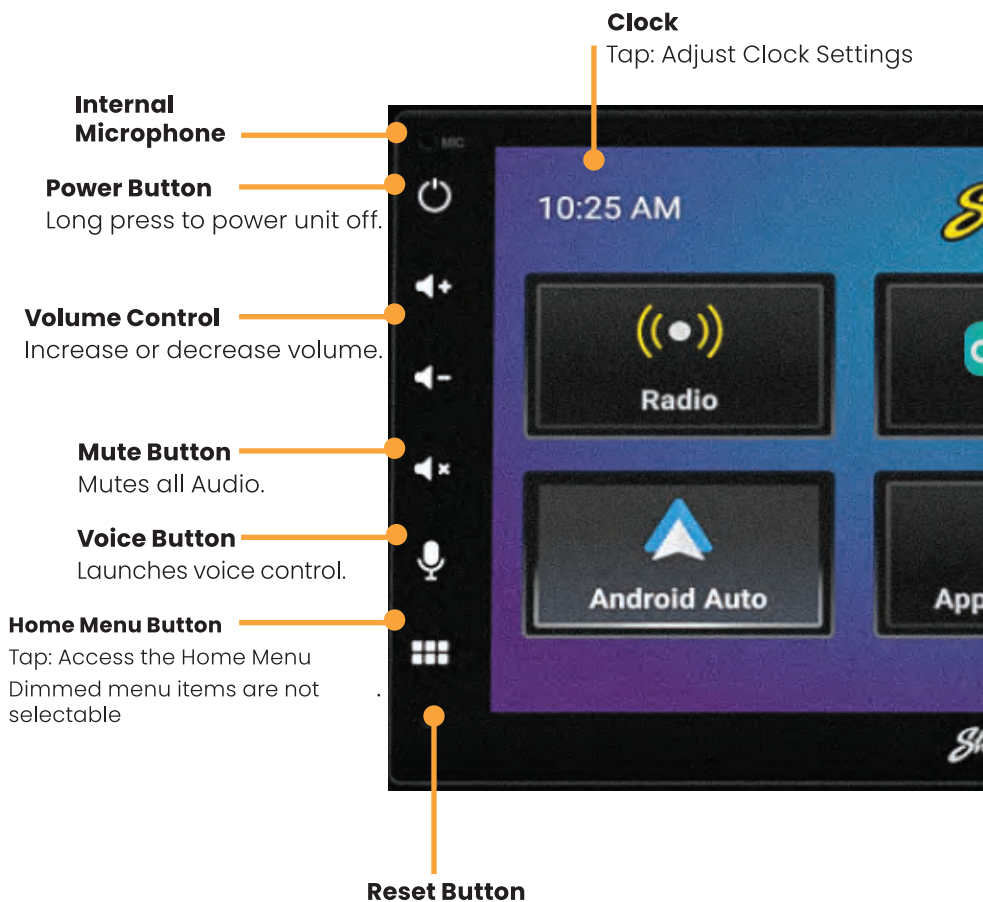
WELCOME TO YOUR NEW

IE268E

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THE BASICS





Home Menu

Tap: Launch selected app
You can press and hold a menu item to move it from this screen.



GETTING STARTED

Clock

Source / Info

Connected Devices



POWER UP!

With vehicle ignition in the ON or ACC position, the radio will automatically power on.

The source will automatically default to the last source used prior to powering down your IE268E.

You can adjust the audio volume at start-up in **Audio Settings** on page 43.

The **Information Bar** is located at the top of the screen. Depending on the SOURCE, it will provide information or content sensitive controls. Also, displays time, phone info and Android Auto or Carplay connection status.

To select a SOURCE, press the HOME button. Sources that are not currently available are grayed out.

Display Off

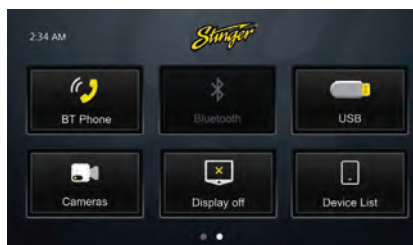
Press **Home Button** > **Swipe left** > **Display Off** to turn off your IE268E.

This is useful at night to prevent eye fatigue

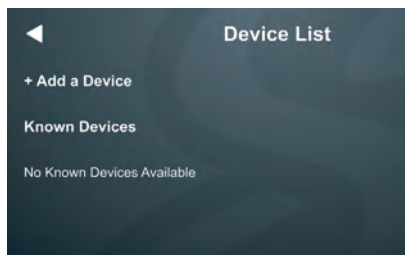
Tap anywhere on the screen to turn the display back on.

GET CONNECTED

1. **Swipe left on the homescreen and tap Device List.**



2. **Make sure your device is in pairing mode and tap +Add a Device.**

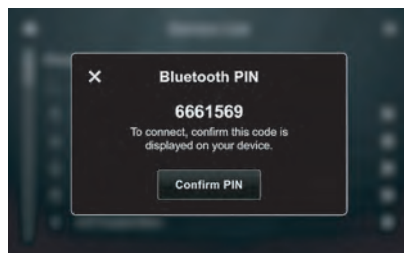


3. **Select your device from the list.**

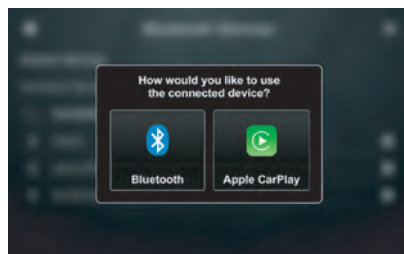
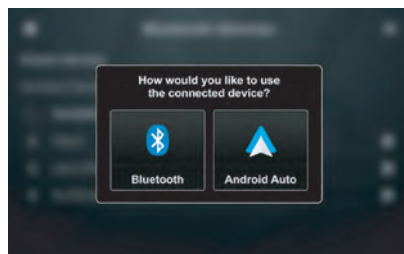


If your device does not appear in the device list, confirm it is discoverable and tap Available Devices to rescan.

4. **Confirm PIN Code on the head unit screen and the device.**

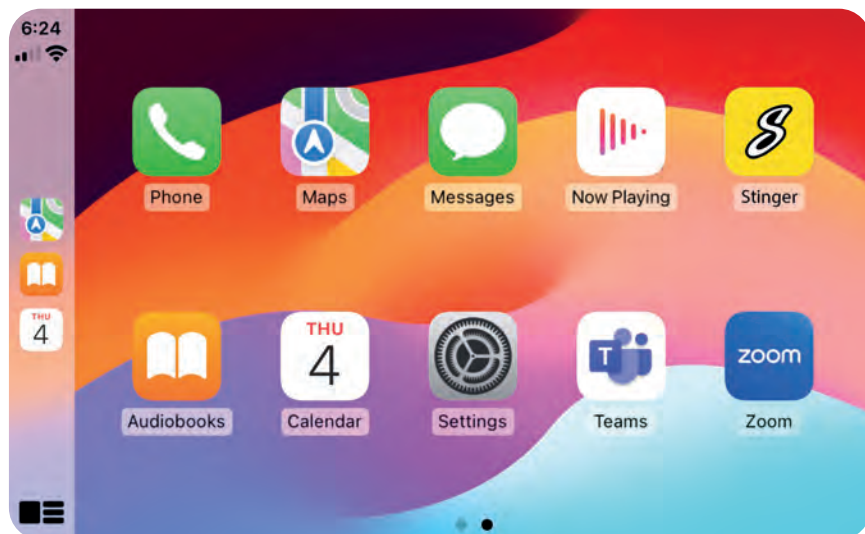


5. **Select the connection type you want to use with your device (bluetooth / phone projection).**



If you choose phone projection, your phone projection application will launch automatically.

APPLE CARPLAY™



You can use Apple CarPlay to get directions, make calls, send and receive messages, and more.

You need an iPhone 5 or later to use Apple CarPlay. Also, make sure that you're in an area that supports Apple CarPlay and that Siri is on. To turn on Siri on your phone, go to Settings > Siri & Search.

Set up Apple CarPlay

With the your vehicle running, plug your iPhone into the your head unit's USB-C port. Apple CarPlay will launch automatically.

You can also connect your iPhone wirelessly to enjoy Apple CarPlay. For detailed instructions see GET

CONNECTED on Page 7.

Using Apple CarPlay

If your iPhone is already connected, press **HOME BUTTON > Apple CarPlay** to launch Apple CarPlay.

The display will show available applications that are compatible with Apple CarPlay

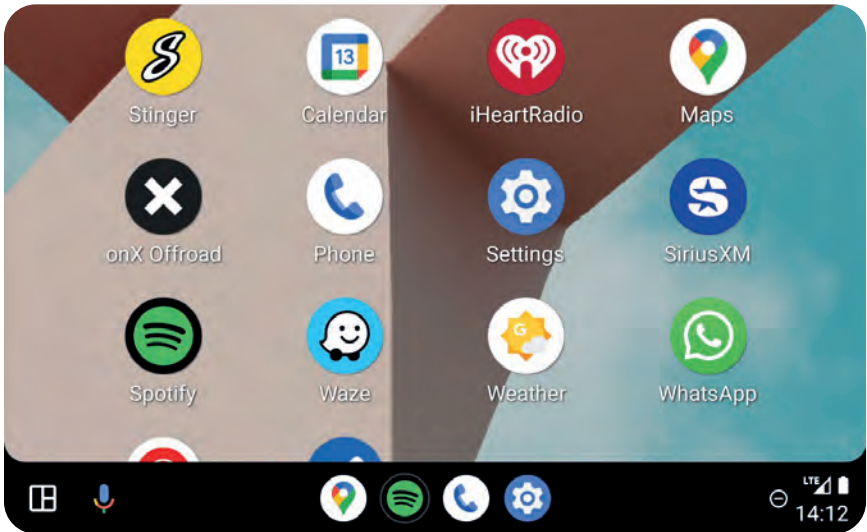
To exit Apple CarPlay, press the Stinger Main Menu icon.

NOTE: If Apple CarPlay will not launch, see Troubleshooting.

More Info

For details about Apple CarPlay, visit <https://support.apple.com/en-us/HT205634>

ANDROID AUTO™



You can use Android Auto to get directions, make calls, send and receive messages, and more.

Make sure your phone is running Android 5.0 (Lollipop) or later. Download the Android Auto app from Google Play on your device. Once the app is installed, open the app and follow the setup steps.

Set up Android Auto

With your vehicle running, but parked, connect your USB-C Android Phone into your head unit's USB-C port.

You can also connect your Android device wirelessly to enjoy Android Auto. For detailed instructions see

GET CONNECTED on Page 7.

Using Android Auto

If your Android device is already connected, press **HOME BUTTON** > **Android Auto** to launch Android Auto.

The display will show available applications that are compatible with Android Auto

To exit Android Auto, press the Stinger Main Menu icon.

NOTE: If Android Auto will not launch, see Troubleshooting.

More Info

For details about Android Auto, visit <https://www.android.com/auto/>



AM/FM **RADIO™**



Press the **HOME BUTTON > HD Radio** to select the HD Radio source.

1. Station Presets

To assign a preset, go to desired channel, press and hold a preset button for 2 seconds to store the station. A total of 15 FM & 10 AM stations can be stored in memory.

2. AM/FM

Press to cycle through AM/FM Presets.

3. Station Information Display

These two lines display Show / Artist / Track Name for current station. They also include ads and alerts.

Note: Information will only appear when broadcasted by the station selected.

4. Tune / Seek Down

Tap to tune frequency down. Press and hold to seek the next available radio station.

5. Station Frequency Display

Displays currently tuned frequency.

6. DX/LOC

Changes radio tuner sensitivity. Touch to toggle between distant (DX) and Local (LOC).

7. Seek Type

Touch to toggle between auto & analog seek modes.

8. Direct Tune

Touch to tune directly in the current band (FM/AM). Once the desired frequency is entered, tap go to tune.

9. Scan By Genre

Tap to select a genre. The head unit will display the HD Radio screen and scan for the next available station whose PTY genre listing matches the selected option.

10. Displayed Genre

This section will display what PTY genre has been selected to set radio presets.

Auto Presets

Tap to automatically program channel presets. This will reprogram all existing presets.



DAB+ DIGITAL RADIO



Press the **HOME BUTTON** > **DAB Radio** to select the DAB Radio source.

1. Station Presets

To assign a preset, go to desired channel, press and hold a preset button for 2 seconds to store the station. Stations can be stored in pre-set memory.

2. Station Information Display

These two lines display Show / Artist / Track Name for current station.

3. Channel Down/Up

Touch to go to previous channel / advance to next channel.



Face buttons: Tap to cycle through presets.

4. Search

Touch to display search of DAB channels/program type or ensembles.

5. Settings

Tap to access application settings

ABOUT DAB+ DIGITAL RADIO

DAB (which stands for Digital Audio Broadcasting) is a radio industry standard with broadcast channels across Europe using a digital signal. DAB is generally more efficient in its use of the spectrum than conventional analogue radio signals, thus providing a high quality audio experience and minimising dropouts. With the additional use of service following, you're able to listen to the radio stations you love over multiple service areas, ideal for long journeys.

DAB radio gives you access to a range of popular stations not available on FM frequencies including Talksport, Absolute Radio, Virgin Radio and Radio X.

For more information about DAB radio, visit www.worlddab.org/dab.

BLUETOOTH MUSIC



Press the **HOME BUTTON** > **BT Music** to select the Bluetooth Music source.

1. Playback Progress Indicator

Shows progress in current track.

2. Song / Program Information

Displays information for the current track.

3. Album / Program Art

4. Previous Track/Program

Touch once to restart current track, touch twice for previous track.



While BT Media is active, face buttons operate this way.

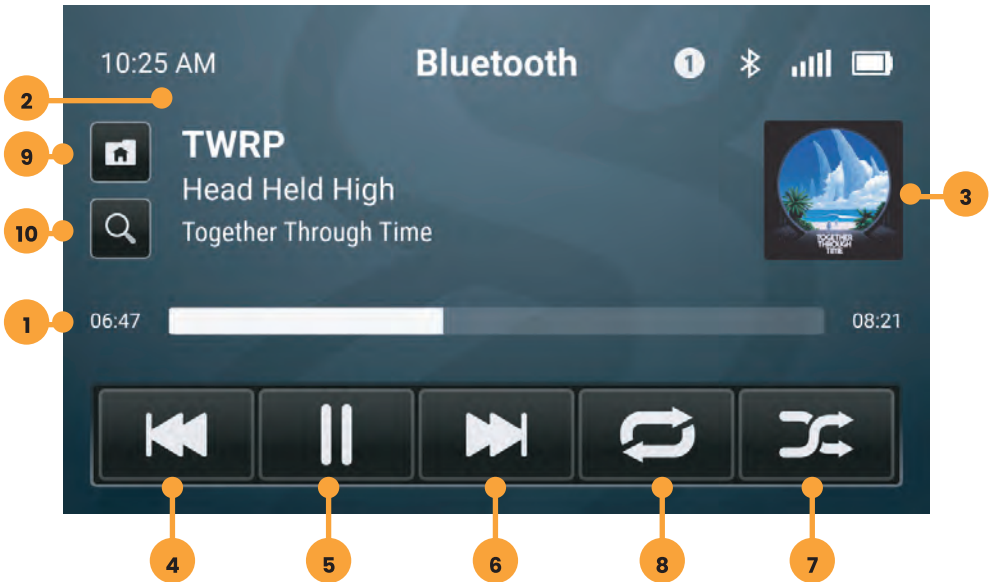
5. Play/Pause

Touch to play or pause audio playback.

6. Next Track/Program

Touch to advance to the next track or program.

USB MEDIA



Press the **HOME BUTTON > USB Media** to select the USB Media source.

1. Playback Progress Indicator

Shows progress in current file, touch anywhere on the bar to immediately navigate to that segment of the file.

2. Song / Program Information

3. Album / Program Art

4. Previous File

Touch to play the previous file that is the same media type.

5. Play/Pause

Touch to play or pause playback

6. Next File

Touch to playback to the next file that is the same media type.



While USB is active, face buttons operate this way.

7. Toggle Randomize Modes

8. Toggle Replay Modes

9. File Browser

From the USB Root Menu you can browse Audio, Video, and Image files.

Touch to select a file to view/play.

10. Search for File

USB MEDIA



1. Photos

Touch to view stored Photo Content..

2. Video

Touch to view stored Video content.

3. Music

Touch to access stored Music content.

4. Search

Touch to search for a specific file by name

5. Home Folder

Tap to return to main file browser.

6. Previous Folder

This will return user to previously accessed folder.

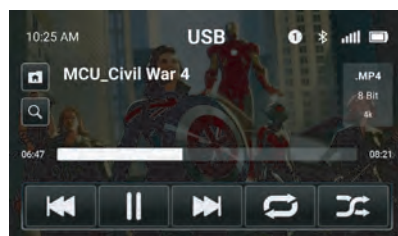
7. Breadcrumb / Path

Only one filter can be active at a time.

USB VIDEO PLAYBACK

When playing a USB video file, the application controls will auto-hide.

To access the application controls, touch anywhere on the screen.



USB PHOTO VIEWING

When viewing USB images, the application controls will auto-hide.

To access the application controls, touch anywhere on the screen.



WARNING!

Driver is prohibited by law from viewing a video signal on any in-dash monitor while the vehicle is in motion.

BLUETOOTH PHONE



Press the **HOME BUTTON > Phone** to launch the Bluetooth Phone app.

1. Phone Settings

Tap here to access phone settings.

2. Contacts

List of contacts from paired phone.
Not supported by all phones.

3. Call Log

Recent Dialed, Received, and Missed Calls.

4. Favorites

Customizable list of favorite contacts.

5. Direct Dial

Direct Dial is the default phone view.
Make and receive calls here.

6. Backspace / Clear

Tap to delete the last character entered. Hold to clear entire entry.

7. Call / Answer / End Call Button

Dial the number entered on the phone or number pad. Answer incoming calls. While connected, changes to End Call, when tapped in this mode, ends currently connected call.

8. Dialing Window

Displays currently dialed number.

9. Phone Info Area

Shows connected, active phone information.

10. Number Pad

Tap to show number pad for dialing phone numbers.

11. Speaker / Phone

Switches phone call audio between car speakers and phone handset.

12. Swap Call

Tap to switch between active and held call.

Pairing a Device

Refer to **Get Connected** on page 7.

Autoconnect

Once a device has been paired, it will automatically connect whenever the system is turned on and the device is within range. You can disable this feature by toggling Autoconnect OFF

BT Device Settings

Once a device is paired and connected, you can adjust its settings from the Phone settings menu item.

Device List

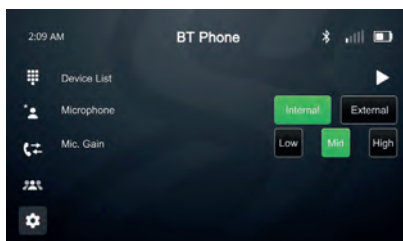
Access a list of all devices in memory, connect, add, and delete devices from this menu.

Microphone

Set control to external if an external microphone is installed. Set to Internal to use the microphone located on the front of the display.

Microphone Gain

Adjusts the volume (sensitivity) of the microphone when using hands-free phone.



Contacts

While a device is paired, Contacts can be accessed by selecting Contacts from the Phone main menu. It may take several minutes to load all contacts. When a contact is selected from the list, all associated numbers (Home/Work/Mobile, etc.) will be displayed on the right side of the screen. Touch the number you want to dial.

1. Favorites

The Favorites list can be accessed from the Phone main menu.

2. Setting Favorites

To add a contact number to the Favorites list, touch the Add Favorites from Contacts button.

3. Search Contacts

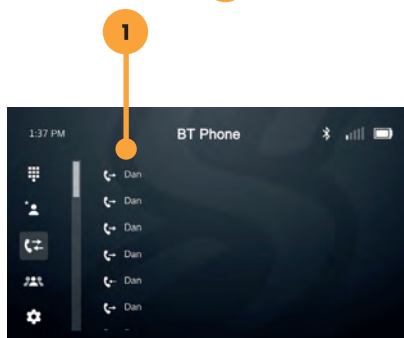
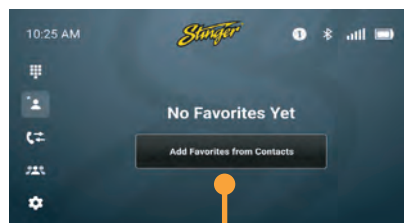
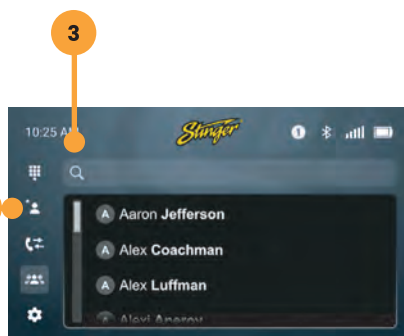
To Search your contact list, select the SEARCH icon on the Phone Selector area.

Call Log

The Call Log lists recently dialed, received, and missed calls.

1. Dialing a Number From Call Log

Tap the contact or phone number to dial a number.



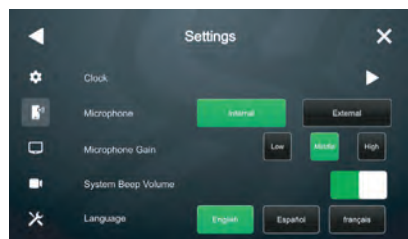
Autoconnect Settings

Adjusting Autoconnect

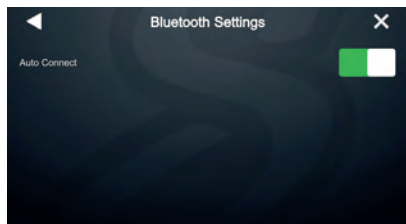
1. Start by clicking on the setting icon from the IE268E home screen.



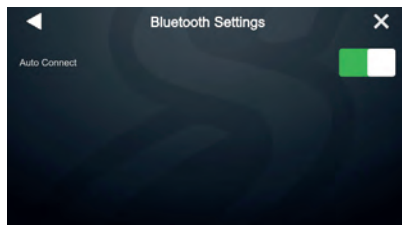
2. Select the Device Setting icon in settings menu.



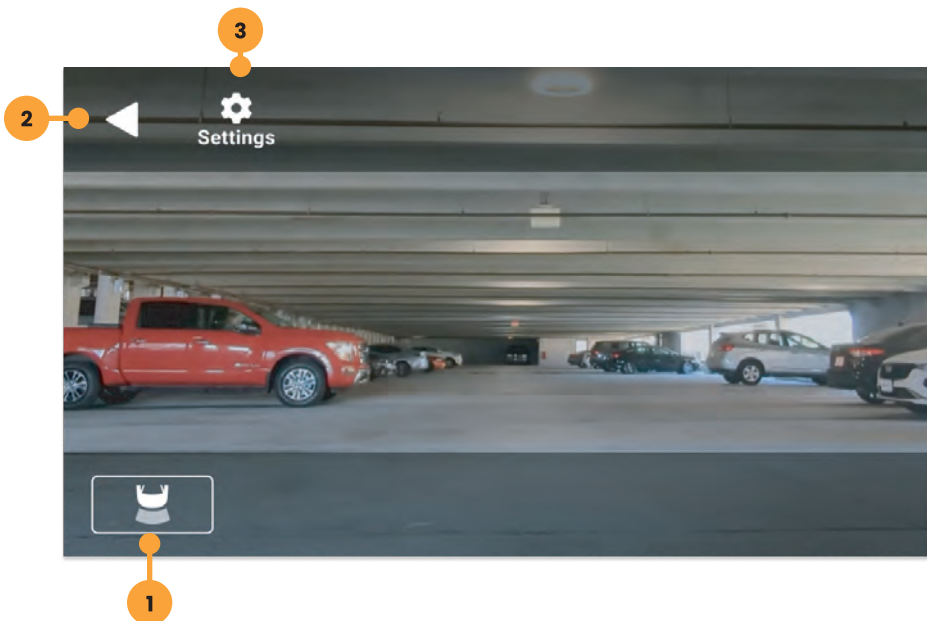
3. Tap the arrow icon to the right of Bluetooth.



4. You can disable this feature by toggling Autoconnect OFF



CAMERAS



Press the **HOME BUTTON > Cameras** to select the Cameras app.

1. Camera Selection Bar

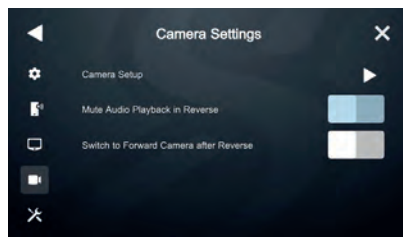
If there are optional cameras installed, you may view them at anytime using the camera selection bar at the bottom of the screen.

2. Back Arrow

Touch to exit camera view.

3. Settings

Touch to access Camera Settings.

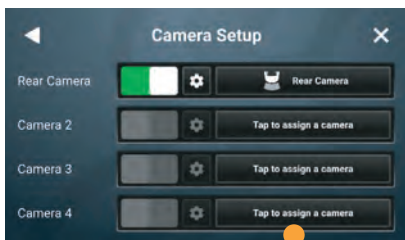


Press the **HOME BUTTON > Settings > Cameras** to access camera settings.

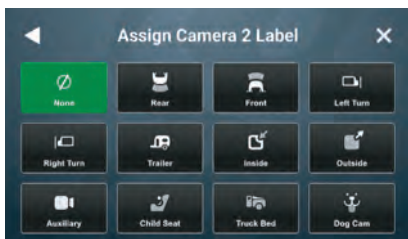
Set Up a Custom Camera

1. Tap Camera Setup

2. Tap a Trigger's Label Button



3. Assign a Label



Once you assign a label, that camera's trigger and settings will be active.

Your assigned Camera will now appear on the Camera Selection Bar.

Reverse Camera Audio

When set to ON and a microphone is connected, back up camera audio will be heard through the vehicle's speakers.

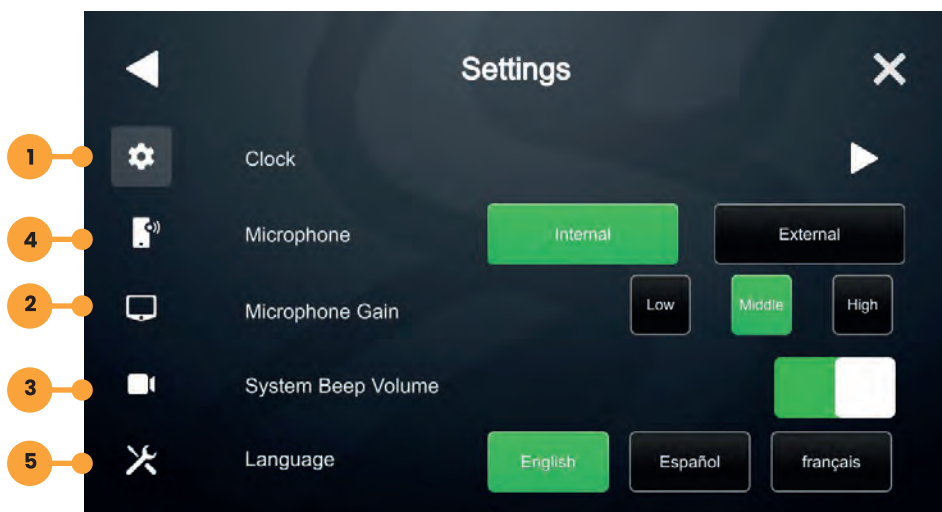
Mute Audio in Reverse

When set to ON the system will mute any audio playback while in reverse.

Switch to Forward Camera After Reverse

When set to ON the front camera will turn on after shifting from Reverse gear and remain On until the speed reaches above 5MPH or the display is touched

SETTINGS



Press the **HOME BUTTON** > **Settings** to access the IX210 Head Unit Settings.

1. SYSTEM OPTIONS

Clock

Change GPS Time Zone and Time Display Format (12/24 HR).

Beep

Your IE268E Head Unit plays a feedback sound when you touch the unit. This controls feedback sound volume.

System Language

Change display language (English/Spanish/French).

Microphone

Set control to external if an external microphone is installed. Set to Internal to use the microphone located on the front of the display.

Microphone Gain

Adjusts the volume (sensitivity) of the microphone when using hands-free phone.

Compass

Toggle Compass display on/off.

Manage Apps

You can toggle applications on and off from this menu.

User Settings Import

Your IE268E can load settings from a USB drive. Insert a drive with a valid settings file into an available USB port and touch User Settings Import.

User Settings Export

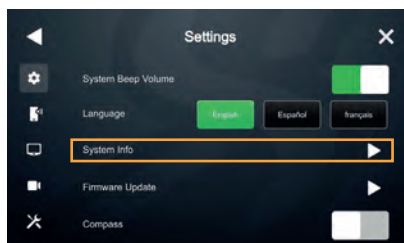
Your IE268E can save its settings for later import. Insert a thumb drive into an available USB port and touch User Settings Export. Your IE268E will automatically add a date to your settings file name.

Load Defaults

All presets and user settings are reset to factory defaults.

System Information

Touch System Information to access application build numbers for support.

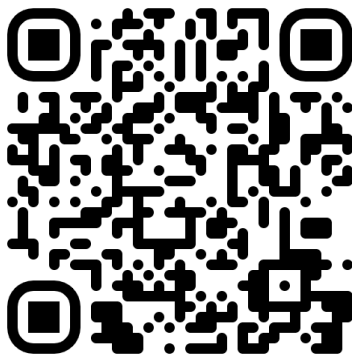


System Firmware Update

Checking and updating the System Firmware and optional PAC Integration is an important step for proper operation. This should be done first before setting any system and vehicle settings as those settings may be lost after an update.

Make sure a thumb drive containing your firmware update is inserted into an available USB port and tap System Firmware Update.

You can find firmware updates on the IE268E Product Page



UPDATING **SYSTEM FIRMWARE**

1. Format a USB Drive

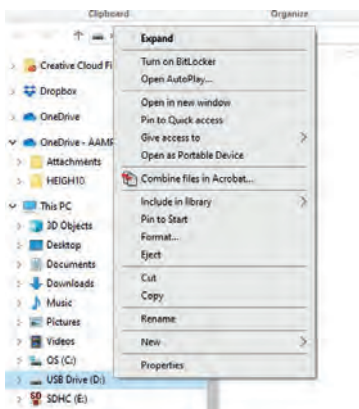
In order to prepare a USB Flash Drive for use with your IE268E system, the USB drive must be formatted to FAT32 / MS-DOS(FAT).

Windows PC

1. Insert an 8GB+ USB Drive

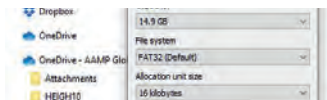


2. Open File Explorer
3. Right click on USB Drive and select

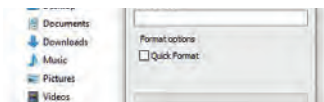


Format

4. Select FAT 32 (Default) File System



5. Deselect Quick Format



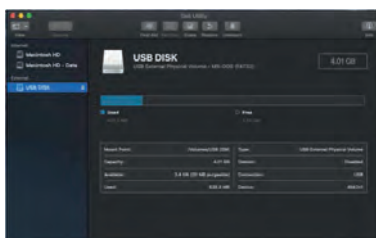
6. Click Start

MAC OSX

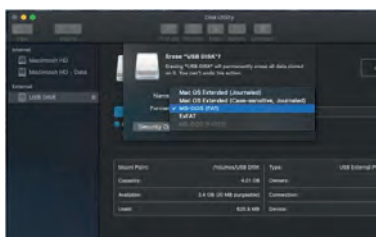
1. Insert an 8GB+ USB Drive
2. Launch the Disk Utility App from the Utilities folder



3. Select the USB drive from the External List and click Erase



4. Select MS-DOS(FAT) from the format drop-down menu and click Erase



2. Download Firmware

Download the firmware file from StingerSolutions.com. Transfer the firmware file as-is onto the formatted USB drive.

The file must be in the root directory of the USB drive. Do not unzip the file.

3. Install System Update

Insert the USB drive into any USB port on the radio.

NOTE: When updating the firmware, all settings will be reset to factory defaults.

Station presets, EQ presets, audio/crossover settings, time alignment, camera settings will all be overwritten.

You can export user settings to the same USB drive you prepared earlier from the Installer menu.

Your IE268E will automatically detect the firmware file, either when you plug it into your powered radio or on startup.

If it doesn't, navigate to **SETTINGS > Firmware Update** and the IE268E will begin updating.

Tap Update Firmware on the popup. The update will take 6 - 8 minutes.

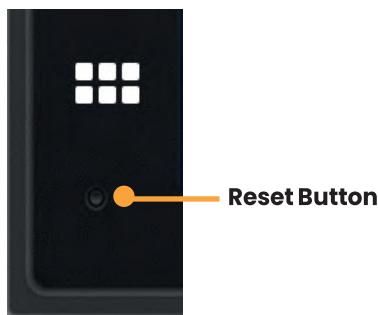
NOTE: Do not attempt to stop an update. DO NOT turn off power. The system will be damaged if power is lost during the update process.

4. System Reset

When the update is complete and display is on the Radio source, press the Reset Button on the face of the radio.

The reset process takes 1-2 minutes,

when completed, the unit will return to the Radio source.



5. Confirm Firmware Update

Confirm firmware update by accessing System Information in Installer settings.

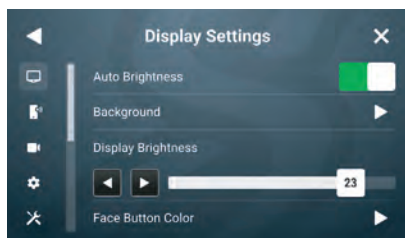
Note the APP Version and visit the IE268E page at StingerSolutions.com

Select the Firmware Tab on the product page. The most current firmware will be listed. The 8 digits of the APP Version listing is the update date code (YYYYMMDD).

2. DISPLAY OPTIONS

Auto Brightness

Your IE268E unit can adjust brightness to suit external conditions. Toggle on/off. Only works if illumination wire is connected.



Display Brightness

Adjust overall display brightness with arrows or the slider control.



Face Button Color

Select the face button color you like and hold "Favorite" to save that color.

Face Button Brightness

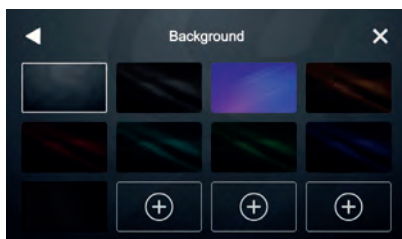
Adjust face button brightness with arrows or the slider control.

System Highlights

Change the highlight colors for active buttons & system controls.

Background

You can select from one of ten available backgrounds or upload one of your own.



Make sure a thumb drive with a compatible image (1280 x 800 Jpg/ Png) is inserted into an available USB port.

Tap one of the available **+ Buttons** and a pop up menu showing available images will appear. Select the desired background and tap **ADD**

3. CAMERAS

Camera Setup

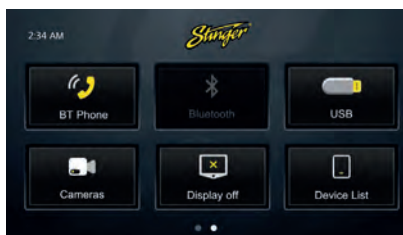
Your IE268E Head Unit supports up to four cameras, each with their own trigger.

Your Head Unit comes with a preset reverse camera slot, and three more customizable slots that are activated in the Cameras application once they are labeled

and their video format set up.

1. Tap Cameras

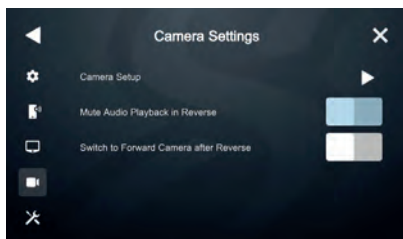
This is located on the second page of the home screen.



2. Tap Settings

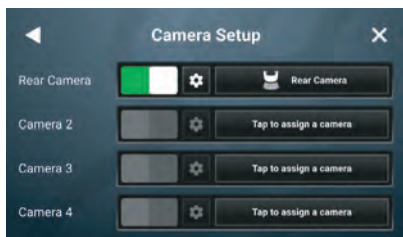
Located on the top left side of the screen.

3. Tap Camera Setup



3. Assign Label

Tap one of the None Camera icons to assign a label.



Mute Audio In Reverse

When set to ON the system will mute source audio playback while in reverse: camera audio still plays.

Switch to Front Camera after Reverse

When set to ON the front camera will turn on after shifting from Reverse gear and remain On until the speed reaches above 5MPH or the display is touched.

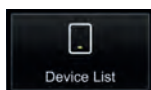
4. DEVICES

Device List

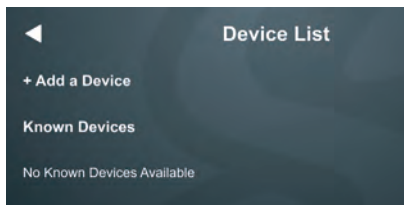
Your IE268E can store multiple phones and even connect to multiple bluetooth devices at once.

Add a New Device

1. Tap Device List



2. Make sure your device is in pairing mode and tap +Add a Device.

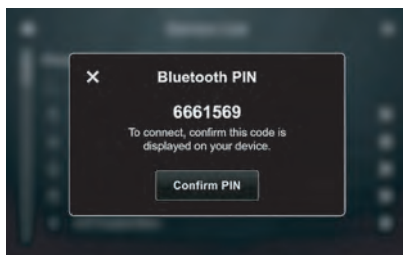


3. Select your device from the list.

If your device does not appear in the device list, confirm it is discoverable and tap Available Devices to rescan.

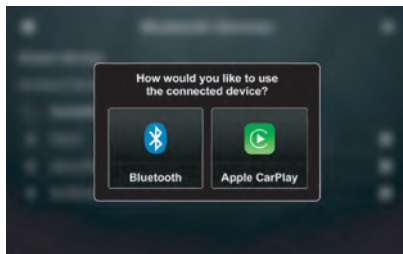
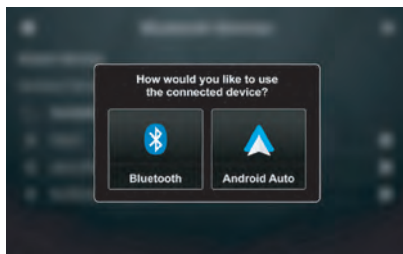


4. Confirm PIN Code on the head unit screen and the device.



5. Select the connection type you want to use (bluetooth / phone projection).

If you choose phone projection, your phone projection application (Apple CarPlay/Android Auto) will launch automatically.



Connect to a Saved Device

A list of previously connected devices is available under Known Devices.



1. Make sure bluetooth is enabled on your mobile device.

2. Press the phone projection or bluetooth button to connect to your device.

Disconnect a Device

Tap the DISCONNECT button to disconnect a connected device.



Delete a Device

Tap the DELETE button to delete a known device.



Apple CarPlay Options

You can change the orientation of Apple CarPlay's interface by toggling the Steering Wheel control left or right.

USB-C Settings

You can set your head unit's USB -C connection to charge only or enable Apple CarPlay / Android Auto through the USB-C port.

5. INSTALLER

Installer Menu Code

When you attempt to access the installer menu your IE268E will ask for a passcode.

The installer passcode is 0052

Master Reset

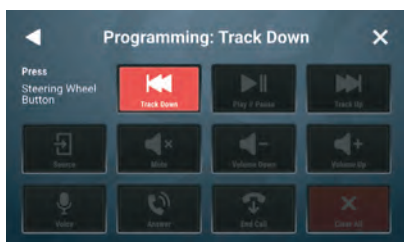
Touch the Master Reset item to restore your head unit to factory settings. This action will reset installer settings, user settings, and PAC Integrations.

Steering Wheel Control

Your IE268E can reassign any of your steering wheel buttons to any available head unit from this menu.

Assign a Function to Steering Wheel Column Button

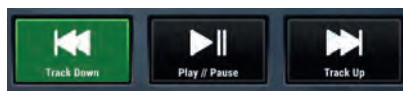
1. Touch the function you want to assign to a steering wheel column button.



The button will Flash red for ~10 seconds. This indicates it is ready to be programmed.

2. Touch the button on the steering wheel that you want to assign to the chosen function.

When your function is programmed successfully, its short press button will have a small green programmed indicator.

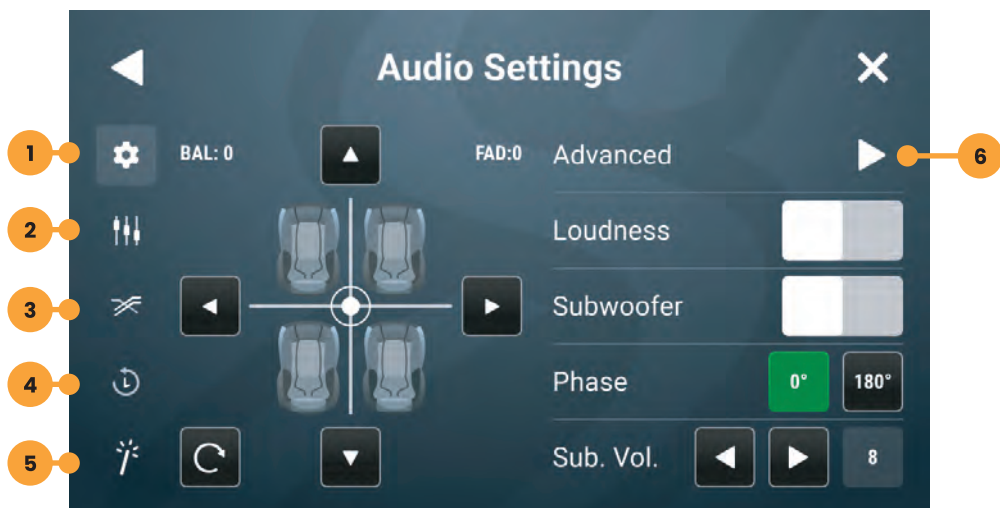


Amp Remote Out

There are two options for automatically turning on external amplifiers. ACC turns on the external amp when Ignition ACC is on. The Power Off option will turn off your external amplifier whenever the head unit is asleep or off.

Continue to
AUDIO **SETTINGS**

AUDIO SETTINGS



Press the **HOME BUTTON** > **Audio Settings** to access IE268E Audio Settings.

1. Balance & General Settings

Adjust Fade, Balance, Loudness, and Subwoofer settings quickly from this menu.

2. Equalizer

15 band graphic equalizer with multiple customizable preset slots.

3. Crossover

Internal electronic variable crossover with 6 customizable preset slots.

4. Time Correction

Compensate for uneven distances between speakers and listener.

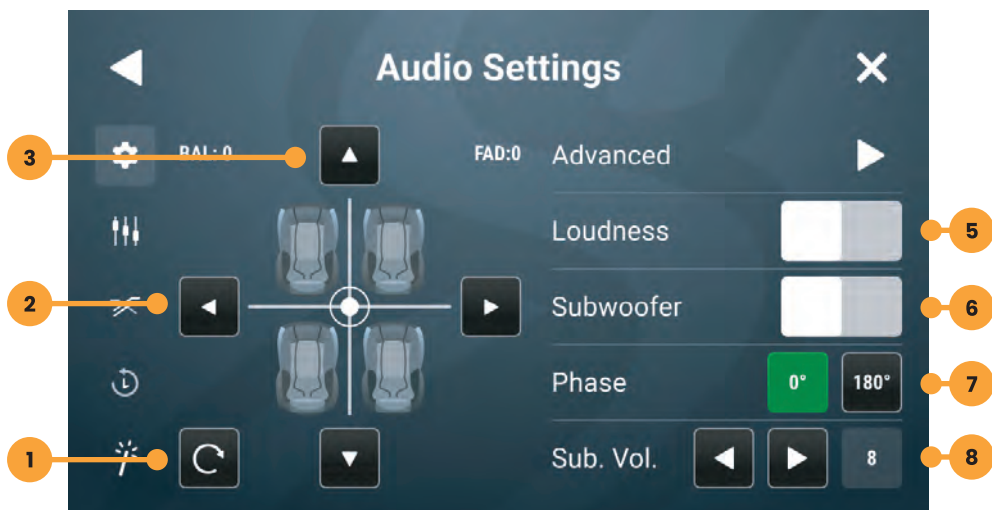
5. Factory EQ

Quickly set popular equalizer settings for a variety of Genres.

6. Advanced Audio Settings

Defeat, ToSLink, Source Volume and Source Gain Settings

BALANCE / GENERAL **AUDIO SETTINGS**



Press the **HOME BUTTON** > **Audio Settings** > **Balance** to select the Balance/General Audio Settings

1. Reset

Press to set balance and fade to zero.

2. Balance

Using left/right arrows, adjust speaker balance left/right. You can also drag the set point to the desired fade & balance.

3. Fader

Using up/down arrows, adjust speaker fade front/rear

4. Loudness

When ON, boosts +3db for frequencies between 100Hz & 2000Hz

5. Subwoofer

Turns subwoofer output ON/OFF.

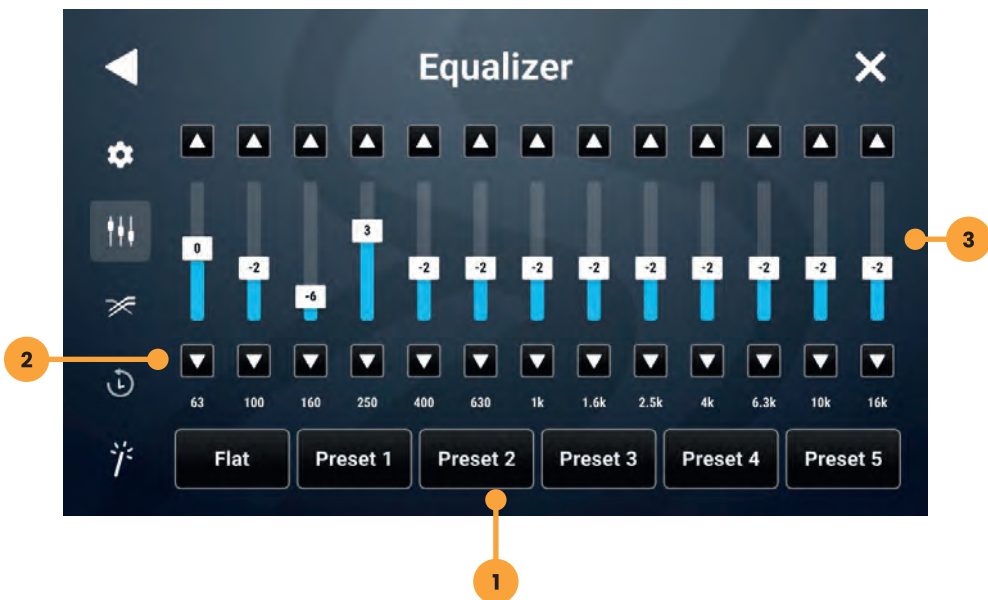
6. Phase

Changes phase of subwoofer signal.

7. Subwoofer Level

Use left/right arrows or drag slider to adjust volume level of subwoofer.

EQUALIZER **AUDIO SETTINGS**



Press the **HOME BUTTON** > **Audio Settings** > **Balance** to select the Equalizer Audio Settings

1. Programmable Presets

There are 6 user Presets that can be used to save EQ settings. This is usefull for having EQ settings for diffrenet types of music, volume levels or for different sources.

When you are done adjusting the EQ, touch and hold a Preset location to save the settings. The Preset will highlight.

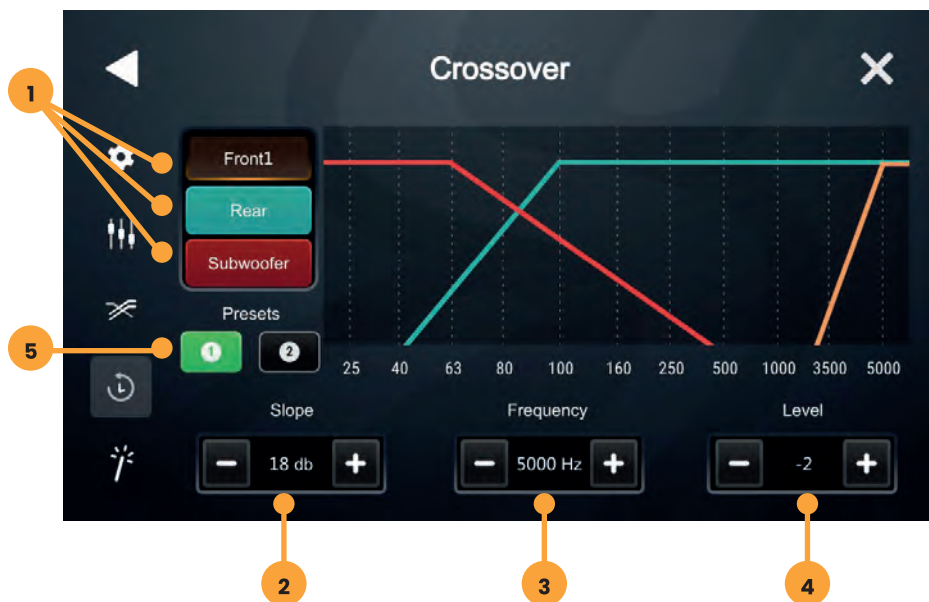
2. Up/Down Volume Arrows

Adjust frequency volume by tapping the up/down arrows.

3. Frequency Volume Slider

Drag slider to adjust frequency Volume.

CROSSOVER **AUDIO SETTINGS**



Press the **HOME BUTTON** > **Audio Settings** > **Crossover** to select the Crossover Audio Settings

1. Audio Channel Selection

Select Front 1 (Orange), Front 2 (Teal), Rear (Red), or Subwoofer (Amber) channels to set crossover setting.

2. Slope

Adjust the slope of the crossover for selected audio channel.

3. Frequency

Adjust crossover frequency for selected audio channel and pass.

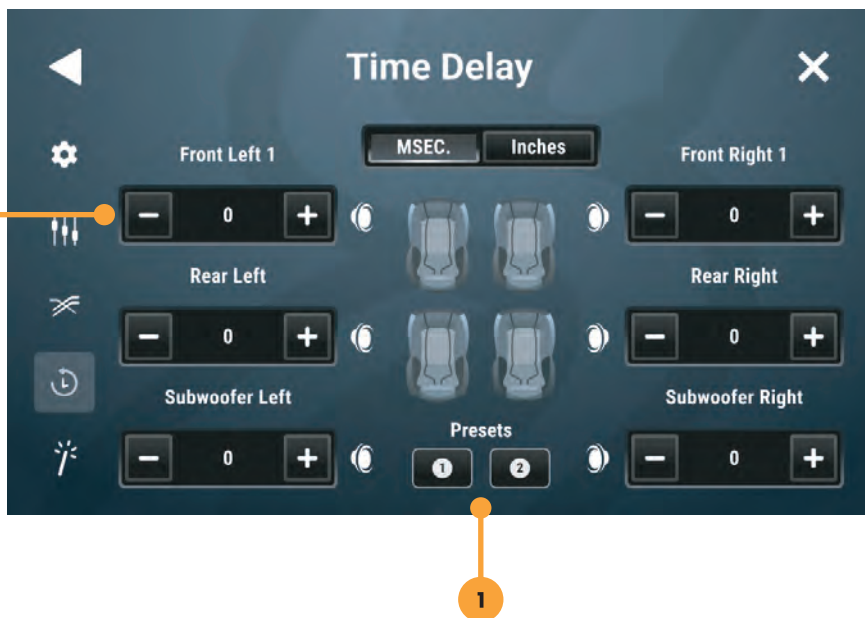
4. Level

Adjusts signal level for selected audio channel.

5. Programmable Presets

Touch and hold a Preset location to save your settings. The Preset will highlight.

TIMING **AUDIO SETTINGS**



Press the **HOME BUTTON** > **Audio Settings** > **Timing** to select the Timing Audio Settings

1. Programmable Presets

2. +/- Distance Controls

Time Correction Instructions

Time Correction compensates for the uneven distances between the speakers and a listeners ears.

Time Correction delays signals from the closest speaker(s), so that all the sound arrives at the listening position at the same time,

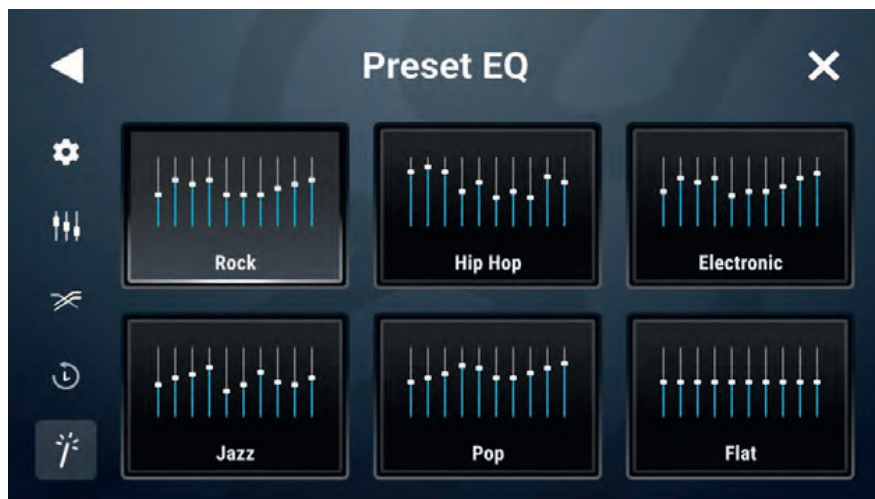
giving the listener a more accurate, lifelike stereo image.

To set Time Correction, select a listening position, for example the drivers seat headrest.

Measure from each speaker to the listening position (be sure to mark those measurements down!).

Set Units to Inches and input recorded distances for each speaker using the +/- buttons.

FACTORY EQ **AUDIO SETTINGS**

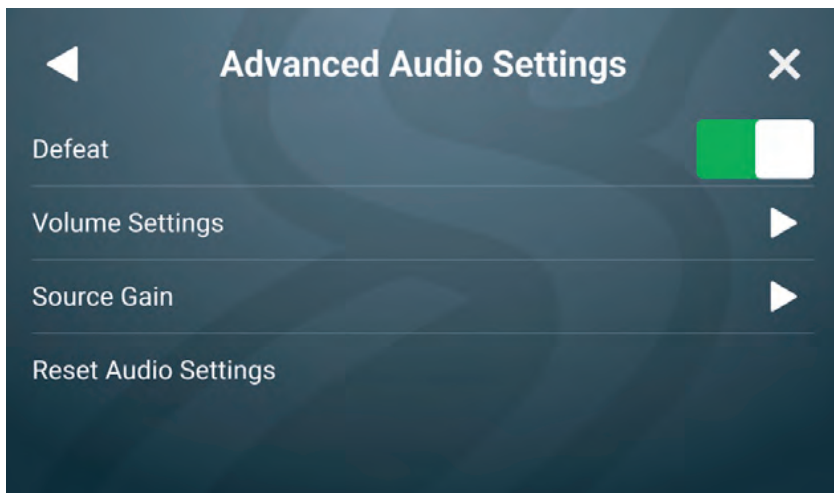


Press the **HOME BUTTON** > **Audio Settings** > **Factory EQ** to select Factory EQ Audio Settings.

Selecting Factory EQ from the Audio Menu Bar will access factory equalizer presets for different music types.

When a Factory EQ preset is selected, it can be fine-tuned using the Equalizer and then re-saved as a User Preset.

ADVANCED **AUDIO SETTINGS**



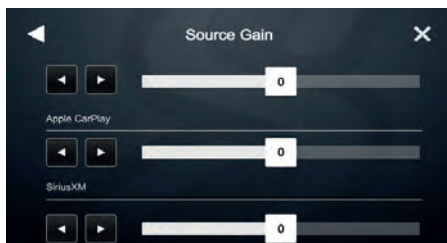
Press the **HOME BUTTON** > **Audio Settings** > **Factory EQ** to select Advanced Audio Settings.

Defeat [ON/OFF]

When set to ON, will defeat/disable all equalizer, crossover, and speaker settings. This is useful when connecting to a Digital Signal Processor (DSP) When defeat is on, other audio settings will be

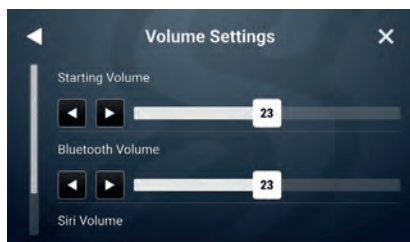
TOSlink (Optical Out) [ON/OFF]

Turns variable digital output ON/OFF



Source Gain Settings

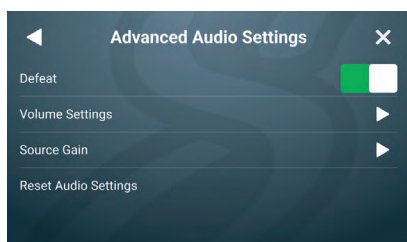
Make gain/volume adjustments for individual sources. For example, if AM/FM is much louder than BT Music, lower AM/FM and/or raise



Volume Settings

Selecting Volume Settings from the Advanced Audio Settings will access the following Volume settings:

Start Volume, Bluetooth, Navigation and Siri Voice



Reset Audio Settings

Selecting this will reset all of your audio settings after you confirm your selection. This action cannot be undone.

RESET **BUTTON**



Reset Button

The Reset Button is located on the lower right hand corner of the display.

To reset the unit, make sure it's on, use a paper clip or similar to push the reset button for 2 seconds and release.

The reset will take a few minutes, do not disconnect power during this time.



TROUBLESHOOTING

General

Black Screen w. Audio

Touch the screen anywhere as it may have been turned off, see page 28.

Ensure the cables on the back of the screen are fully locked into place and also properly connected at the back of the radio module.

Check for damaged/kinked cables.

Bluetooth

Device will not Pair

Ensure Bluetooth is turned ON in your device settings. Delete all unused devices. Delete any "Stinger" device. Restart/Reboot device and try pairing again. (Page: 10).

Music Volume is low

- Turn up volume on device
- Turn up volume on head unit.
- Turn up Phone Volume (Page: 43).

Phone Volume is low

- Turn up volume on device.
- Turn up volume on head unit.
- Turn up BT Volume Gain (Page: 43).
- Turn up Microphone Gain (Page: 22).

Cameras

Rear Camera not displaying in reverse

- Make sure rear camera trigger is ON (Page: 31)
- If display is showing NO SIGNAL in reverse, ensure camera RCA is plugged into the correct RCA input (CAMERA IN).
- Confirm camera has power and ground.
- Confirm camera trigger is receiving positive 12V.

Installed Camera not showing Video

- Make sure the correct video format (NTSC, PAL, etc.) is selected.

User Note: Backgrounds

Your IE268E head unit utilizes a Liquid Crystal Display (LCD) panel to display clear, crisp images in a variety of lighting conditions.

Your HORIZON10 unit is optimized to provide the highest quality image in a variety of use cases, but you should be aware that certain contrast ratios and backgrounds can cause temporary image retention.

When customizing your background, avoid images that include high contrast static patterns; these images can cause temporary image retention in LCD panels through repeated use.

Retained images should vanish within 10–40 minutes of normal operation. If you see from your custom background, we strongly suggest you choose another option, or use one of the included IE268E background options to ensure uninterrupted enjoyment. :)

Apple CarPlay

Restart your Phone

A common first step to take when you're having connection issues is to restart your device.

1. Turn your phone off.
2. Wait 30 seconds.
3. Turn your phone back on

Make sure your operating system is up to date

Apple often releases updates to your phone's operating system, known as iOS®, to keep it secure and working at its best. These software updates are important. Not updating your iPhone can lead to software issues and glitches, like CarPlay not working.

For step by step instructions, visit <https://support.apple.com/en-us/118575>

Make sure CarPlay is turned on

If your iPhone isn't connecting to Apple CarPlay, the feature may not be enabled on your device or you may have turned it off and need to turn it back on. Here's how:

Go to Settings > General > CarPlay > My Cars, then select your car to reconnect it to the app. Make sure to turn on the Allow CarPlay When Locked option, too, so that CarPlay works when your phone is locked. If your car is already connected, tap your car, then tap Forget This Car. Then connect it again.

If you've turned off CarPlay in Screen Time, go to Settings > Screen Time > Content & Privacy Restrictions. If you've turned on Content & Privacy Restrictions, tap Allowed Apps and confirm that CarPlay is enabled. (Tap the button until it's green.)

Confirm Siri is turned on

CarPlay won't work unless Siri® is turned on. To turn it on, go to Settings > Siri & Search on your iPhone, then confirm that Listen for "Hey Siri" is on.

Make sure to include the Allow Siri When Locked option, too, so that CarPlay works when your iPhone is locked.

Make sure Bluetooth is connected

If you're using a wireless CarPlay connection, go to Settings > Bluetooth to confirm that Bluetooth® is turned on. Then go to Settings > Wi-Fi to check that Wi-Fi is also turned on. Finally, go to Settings > General > CarPlay and check that Auto-Join is turned on.

Check your USB cable

Make sure the wire isn't frayed or broken. Try using it with another device—if it doesn't work, you probably have a faulty USB cable and need to replace it. Also, make sure you're plugged into the correct USB-C port for phone projection. Apple CarPlay

Android Auto

Restart your Phone

A common first step to take when you're having connection issues is to restart your device.

1. Turn your phone off.
2. Wait 30 seconds.
3. Turn your phone back on

Make sure your operating system is up to date

You can find your device's Android version number, security update level, and Google Play system level in your Settings app. You'll get notifications when updates are available for you. You can also check for updates there as well

For step by step instructions, visit <https://support.google.com/android/answer/7680439>

Make sure Bluetooth is connected

If you're using a wireless Android Auto connection, go to Settings > Bluetooth to confirm that Bluetooth® is turned on.

Check your USB cable

Not all USB cables will work with all cars. For the best quality and reliability when you connect to Android Auto try a high-quality USB cable.

SPECIFICATIONS

General

Operating Voltage: 10.5VDC to 16VDC
Grounding system; Negative Ground
Max current consumption: 15A fused

Dimensions

Radio Module:
178 mm x 87.8 mm x 100 mm
(W x H x D)
Display:
160.7 mm x 90.8 mm
(W x H)

Display

6.8-inch Diagonal
16:9 aspect ratio
1024 x 600
Pixels: 614400
Active area 216.96 (W) x 135.6 (H) mm
Operating Temperature (C) -20° to 70°

Audio

Load impedance: 4Ω nominal / 2Ω allowable
Continuous power output:
18W x 4ch/4Ω 20Hz to 20KHz, 1%THD at 14.4V
Speaker level adjustment: 0-40 steps
Audio Preamp Output level: 3 Vrms typical, 7vrms maximum without distortion.
Audio Preamp 6 Channels: Front Left, Front Right, Rear Left, Rear Right, Subwoofer Left, Subwoofer Right.
Equalizer: (13-band)
63Hz/100Hz/160Hz/250Hz/400 Hz/630Hz/1KHz/1.6KHz/2.5KHz/4KHz/6.3K

Hz/10KHz/16KHz
Gain: ±6dB (0.5dB/step)
Crossover level: 13 steps
Front
HPF: 25Hz/40Hz/63Hz/80Hz/100Hz/160Hz/250Hz/500Hz/1kHz/3.5kHz/5kHz/bypass
Slope: 6dB, 12dB, 18dB
Crossover Level: 0-12
Rear output:
HPF: 25Hz/40Hz/63Hz/100Hz/250Hz/bypass
Slope: 6dB, 12dB, 18dB
Crossover level: 0-12
Subwoofer Pre-lineout: 4.5Vrms typical,

LPF: 25Hz/40Hz/63Hz/80Hz/100Hz/160Hz/250Hz
Slope: 6dB, 12dB, 18dB
Subwoofer Vol: 0-15
Phase: 0 or 180
Time Alignment for 6 channels: 0 to 133 steps for inches and 0-99 steps for 9.9ms/133inches
User Preset EQ: Rock, Hip-Hop, Electronics, Jazz, Pop, Flat.
Source Gain: default 0db, -10 to 10 adjustable, 0.35db/Step.
Volume Settings: Main Volume, Phone Volume, Navigation Volume, Voice Volume, Ringtone Volume adjustable separately.



USB

USB 2.0

Max current supply 1.5A

Max storage size: 128GB

USB Class: A

Supports: Video/Audio/Image Media
Playback, Charging, and Firmware
Update

USB 3.0 (one)

Max current supply 3A

Max storage size: 128GB

USB Class: C

MSC (Mass Storage Class),

File system: FAT32, NTFS

Supports: Apple CarPlay, Android Auto,
Video/Audio/Image Media Playback,
Charging, and Firmware Update

Bluetooth

V5.1 dual

4dBm Class2

2.402GHz to 2.48GHz

Wifi

Support IEEE 802.11a/b/g/n/ac

Support 802.11ac 1x1, Wave-2 compliant
with MU-MIMO STA mode

Complete 802.11n MIMO solution for
2.4GHz and 5GHz band

Radio™ FM Tuner

87.9MHz to 107.9MHz

Usable sensitive 3dBuV (mono S/N:
30dB)

SNR: 65dB

AM Tuner

530KHz to 1710KHz

Usable sensitive 25dBuV (mono S/N:
20dB)

SNR: 58dB

4 Camera Video Inputs

NTSC, PAL, AHD PAL 25Hz & AHD NTSC 30Hz

Support Mirror Camera Image On/OFF

Audio

FLAC / WAV/MP3

AAC/M4A

OGG

APE

Video

MP4/AVI H264.avi

AVI XVID-MPEG-3.avi

AVI 1024x768.avi

AVI 1920x1080.avi

MPG-MPEG-1 .mpg

Mov/FLV/Vob/Mkv

Image

JPG/PNG/BMPJPG/PNG/BMP

Background Image (User)

File Format: JPG / PNG

Resolution: 1024 x 600

User Note: Backgrounds

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Stinger[®]

