



**10"**  
Infotainment  
System

  
Wireless

Works with  
**Apple CarPlay**  
Works with  
**Android Auto**

**PN: SRK-RAM13HX**



# HORIZON 10™

## SRK-RAM13HX USER GUIDE

## FIND YOUR HORIZON

You're ready to take on any adventure with your Stinger HORIZON10 radio kit!

Additionally, your new SRK-RAM13HX kit enables you to replace a Ram Truck factory radio with a show-stopping 10-inch multimedia infotainment system while retaining OEM features and maintaining a flush, factory look and feel!

### About this document

This document covers features added to the HORIZON10 by your SRK-RAM13HX kit. If you need to reference the HORIZON10 user guide, you can find it by scanning the QR code.

<https://stingersolutions.com/pages/horizon10-product-info>



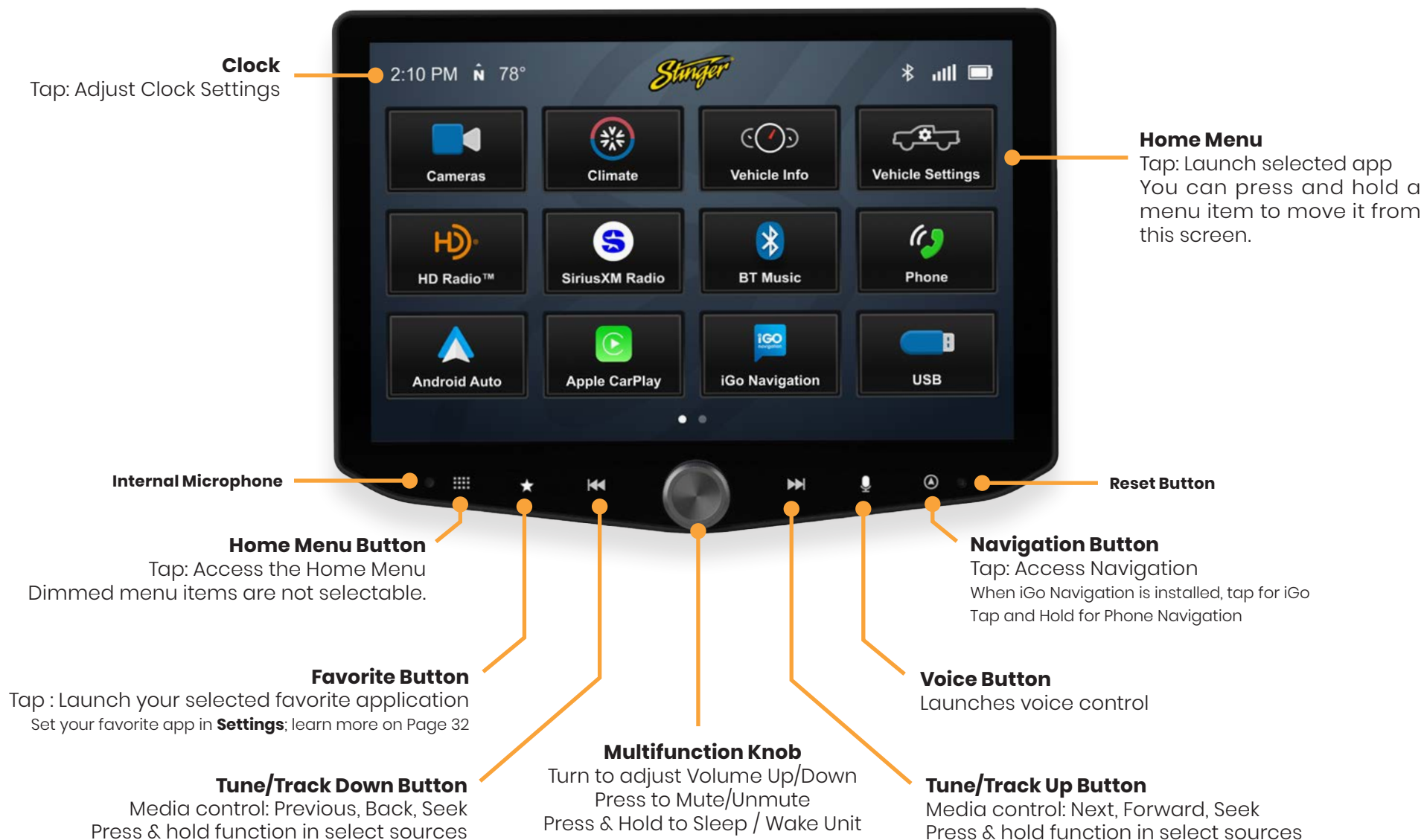
HORIZON10 USER GUIDE



## WELCOME TO YOUR NEW HORIZON10™

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Control your Horizon10 using factory controls

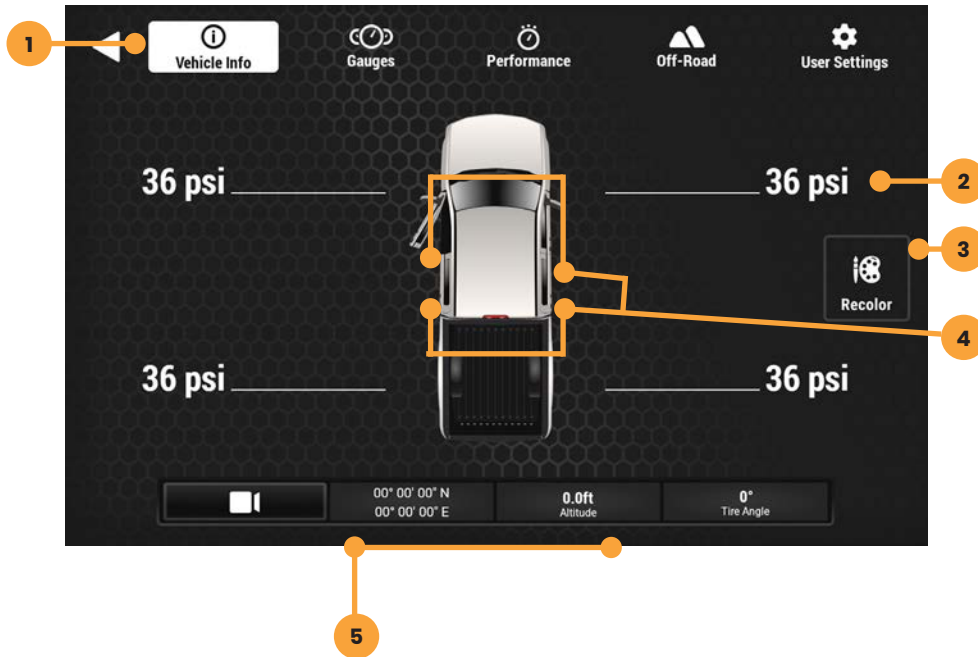


Non-automatic Climate Control



**Note:** All radio controls are controlled on screen for vehicles equipped with non-automatic climate controls.

## VEHICLE INFO



Press the **HOME BUTTON > Vehicle Info** to access the Vehicle Info functions.

### 1. Vehicle Info Menu

Access various vehicle info display modes.

### 2. Tire Pressure

Low pressure warnings can be customized in User Settings.

### 3. Recolor

Customize on screen vehicle color.

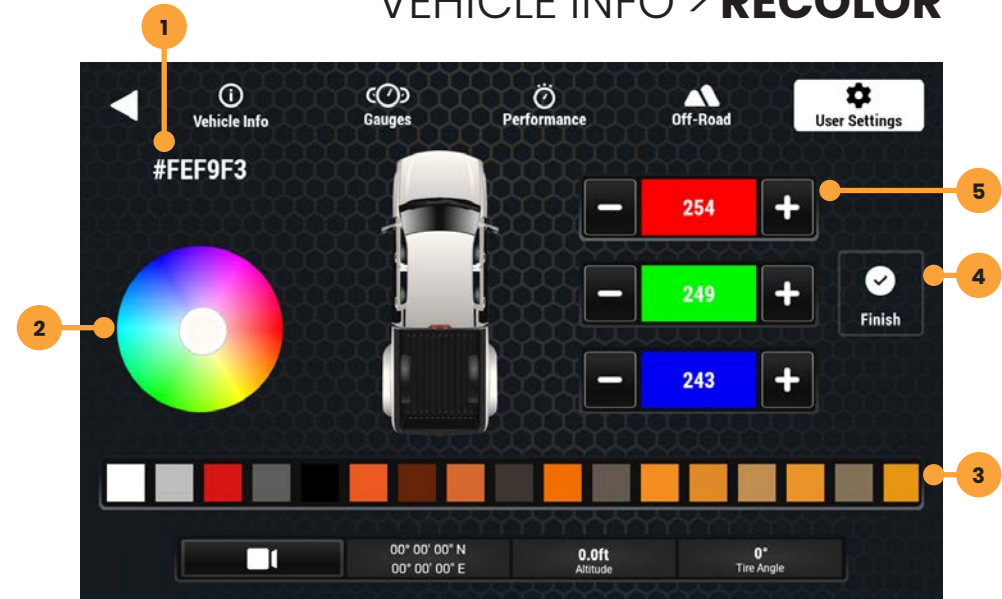
### 4. Door Closed / Opened

Indicates door, and rear gate statuses.

### 5. Vehicle Info Footer

Available on all vehicle information displays. Shows GPS Coordinates, Altitude, Tire Angle, and access to Cameras.

## VEHICLE INFO > RECOLOR



Press the **HOME BUTTON > Vehicle Info > Recolor** to access Vehicle recolor

### 1. Color Name

Displays preloaded color name or custom color number.

### 2. Color Wheel

Touch and drag to create a custom color.

### 3. Preloaded Colors

Touch to use one of the preloaded vehicle colors.

### 4. Finish

After desired color is selected, touch finish to set color as vehicle on screen color.

### 5. RGB Customization

Colors can be customized by increasing or decreasing the numbers located in each of the red, green, blue color bars.



## VEHICLE INFO > GAUGES



Press the **HOME BUTTON > Vehicle Info > Gauges** to access Gauges.

### 1. Gauges

Tap a gauge to cycle through available gauge types.

### 2. Gauge Setup Preset

There are two preset gauges setups. Press and hold to save a gauge combination and then tap that setup again to recall that combination.

Change colors in **HOME > Setting > Display > System Highlights**

Change gauge units in User Settings.

### Available Gauges:

Battery Voltage  
Oil Temperature  
Oil Pressure  
Transmission Temperature  
Coolant Temperature  
Fuel Gauge  
Intake Air Temperature  
Engine Calculated Load  
Barometric Pressure  
Intake Manifold  
Fuel Pressure  
Absolute Load  
Ignition Timing  
Engine Run Time

## VEHICLE INFO > PERFORMANCE



Press the **HOME BUTTON > Vehicle Info > Performance** to access Performance.

Selecting Performance will display a digital speedometer and tachometer along with performance measurements.

### 1. Best 0-60 / ¼ Mile / 60-0

Whenever a new best performance measurement is achieved, the results will be displayed. Use left / right arrows to recall best measurements. Reset best measurements with the reset button.

### 2. Last 0-60 / ¼ Mile / 60-0

Use left / right arrows to recall last measurements for each performance metric.

### 3. Reset

The RESET buttons will reset either Best or Last results.

## VEHICLE INFO > OFF-ROAD



Press the **HOME BUTTON > Vehicle Info > Drive Mode** to access Settings.

### 1. Vehicle Pitch

Enable, disable, or customize the available vehicle drive modes.

### 2. Compass

Vehicle current direction.

### 3. Vehicle Roll

Sets vehicles drive mode to the most fuel efficient configuration.

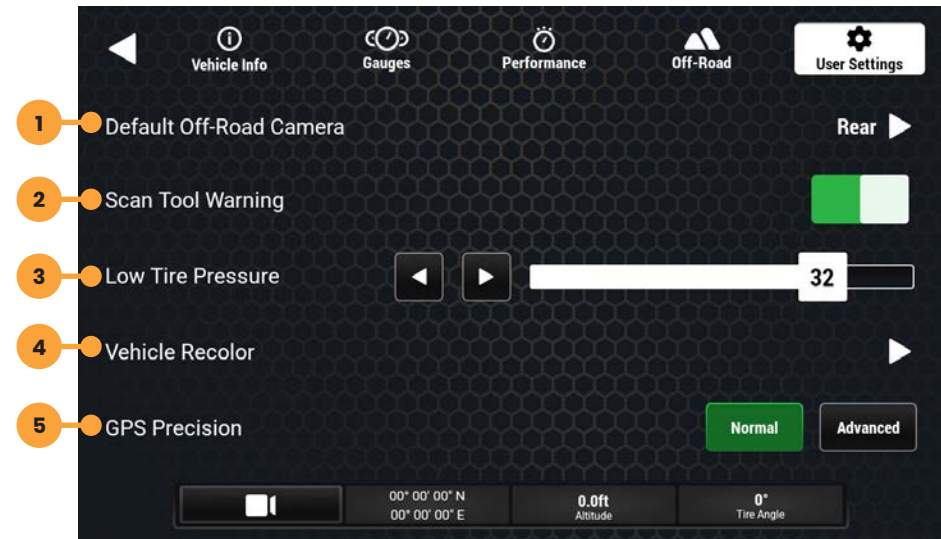
### 4. Vehicle Info Footer

Available on all vehicle information displays. Shows GPS Coordinates, Altitude, Tire Angle, and access to Cameras.

### 5. Altitude

Vehicle current altitude.

## VEHICLE INFO > USER SETTINGS



Press the **HOME BUTTON > Vehicle Info > User Settings** to access Settings.

### 1. Default Off-Road Camera

Set camera that will display as default when camera icon is selected on footer menu.

### 2. Scan Tool Warning

It's possible that you might have an accessory installed that makes gauge operation unreliable. If so, this control will enable or disable the scan tool warning on the gauge cluster.

### 3. Low Tire Pressure

Set the threshold, for the low tire pressure warning shown on the vehicle info display.

### 4. Vehicle Recolor

Sets the displayed vehicle color on the Vehicle Info tab.

### 5. GPS Precision

Enables normal or advanced GPS locating.

## Climate Control

### Dual Zone



Press the **HOME BUTTON > CLIMATE CONTROL** to access Climate Control.

#### 1. Temperature Controls

Use to set driver or passenger side temperature. Driver side controls on left and passenger side controls on right.

#### 2. Directional Controls

Allows you to control the airflow direction.

#### 3. Power Controls

Controls AC and defrost power.

#### 4. Fan Speed

Controls the amount of airflow coming out of vents.

#### 5. Sync

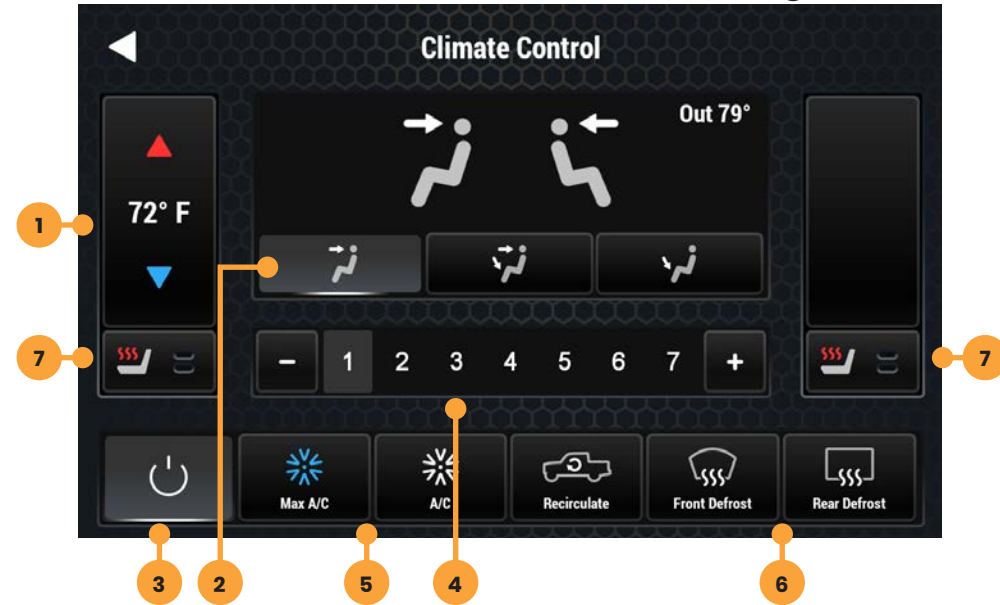
This gives you the ability to sync the driver and passenger side temperature controls to the same temperature.

#### 6. Seat Heater/Cooler

Controls seat heater or seat cooler. Driver side controls on left and passenger side controls on right.

**Note: These controls are not available for Non-automatic climate controls**

### Single Zone



Press the **HOME BUTTON > CLIMATE CONTROL** to access Climate Control.

#### 1. Temperature Controls

Use to set driver and passenger side temperature.

#### 2. Directional Controls

Allows you to control the airflow direction.

#### 3. Power Controls

Controls AC and defrost power.

#### 4. Fan Speed

Controls the amount of airflow coming out of vents.

#### 5. A/C

Tap to turn on A/C or Max A/C.

#### 6. Defrost

Controls front or rear defrost.

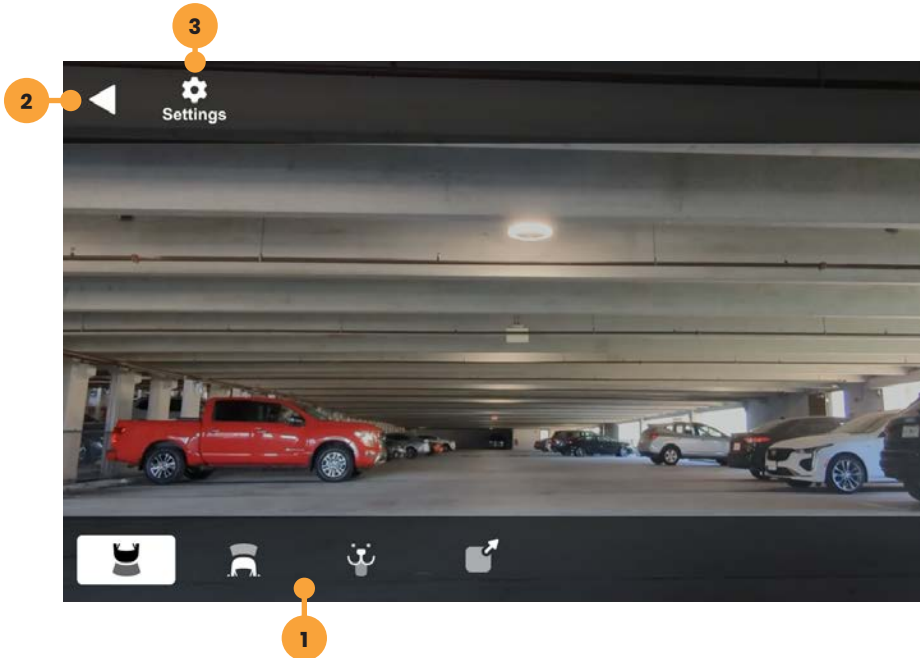
#### 7. Seat Heater

Controls seat heater. Driver side controls on left and passenger side controls on right.

**Note: These controls are not available for Non-automatic climate controls**



## CAMERAS



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

### 1. Camera Selection Bar

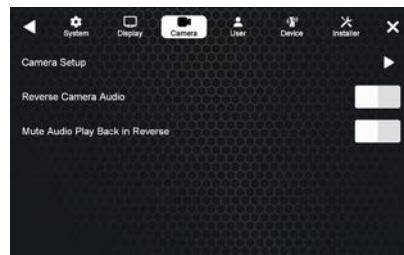
If there are optional cameras installed, you may view them at anytime using the camera selection bar at the bottom of the screen.

### 2. Back Arrow

Touch to exit camera view.

### 3. Settings

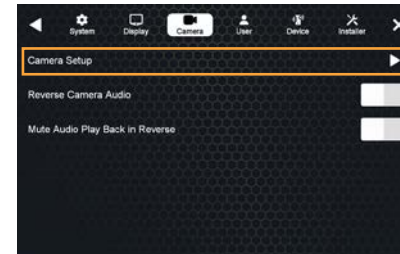
Touch to access Camera Settings.



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



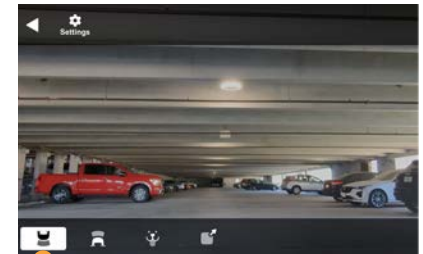
### 3. Assign a Label



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

### 4. Camera Selection Bar

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



### 5. Camera Trigger

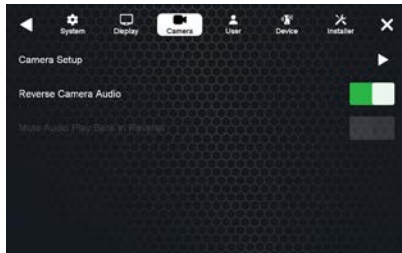
Your selected icon will only appear on the Camera Selection Bar if a label has been assigned and camera trigger is slid to **On** position and displays green.



## CAMERAS

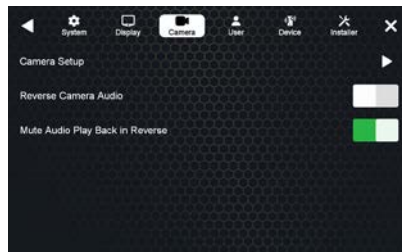
### Reverse Camera Audio

When set to ON and a back up camera microphone is equipped, 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.



### Factory Camera

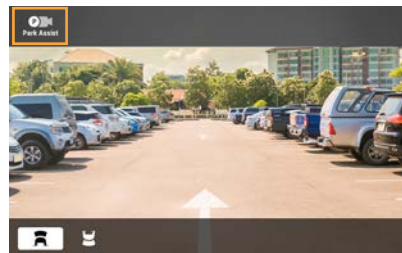
Your factory rear camera will continue to automatically display when in reverse.

### Blind Spot Monitoring Cameras

If equipped with optional aftermarket blind spot monitoring cameras, the Horizon10 will display these cameras when triggering left or right blinkers. These cameras can also be manually triggered through your Camera Selection Bar when assigned.

### Park Assist

When Park Assist is selected the front camera will display after shifting out of reverse and steering wheel is turned. Front camera will display for the selected number of seconds and under selected speed threshold.



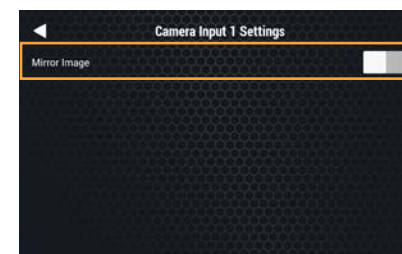
### Front Camera Settings

To adjust the front camera settings go to **HOME BUTTON > CAMERAS > CAMERA SETUP > SETTINGS** (of front camera). This will allow you to adjust the time duration or speed threshold that the front camera will stay on for after shifting out of reverse.

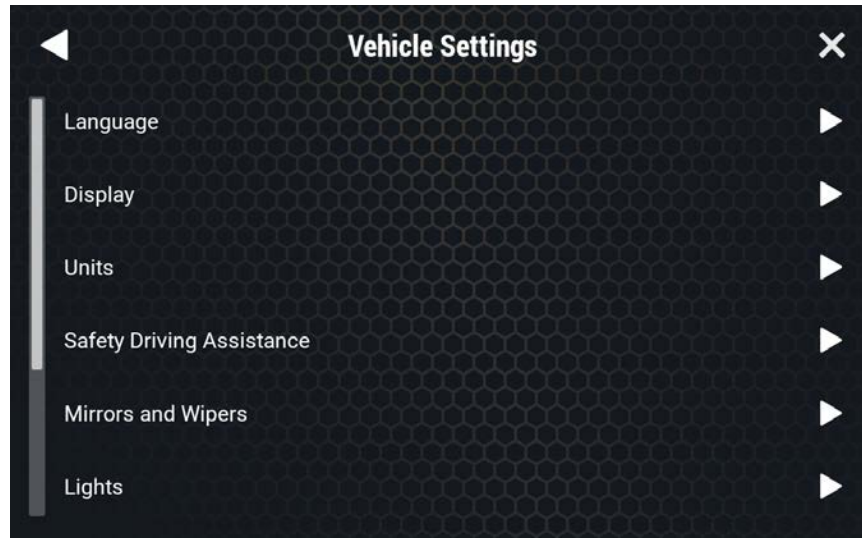


### Mirror Image

If camera view is being displayed in reverse tap **HOME BUTTON > CAMERAS > CAMERA SETUP > SETTINGS** on the camera that is reversed. Turn on Mirror Image to correct the camera image.



## Vehicle Settings



Press the **HOME BUTTON** > **Vehicle Settings** to access Vehicle Settings

The Vehicle Settings are all the factory vehicle settings retained from the factory radio.

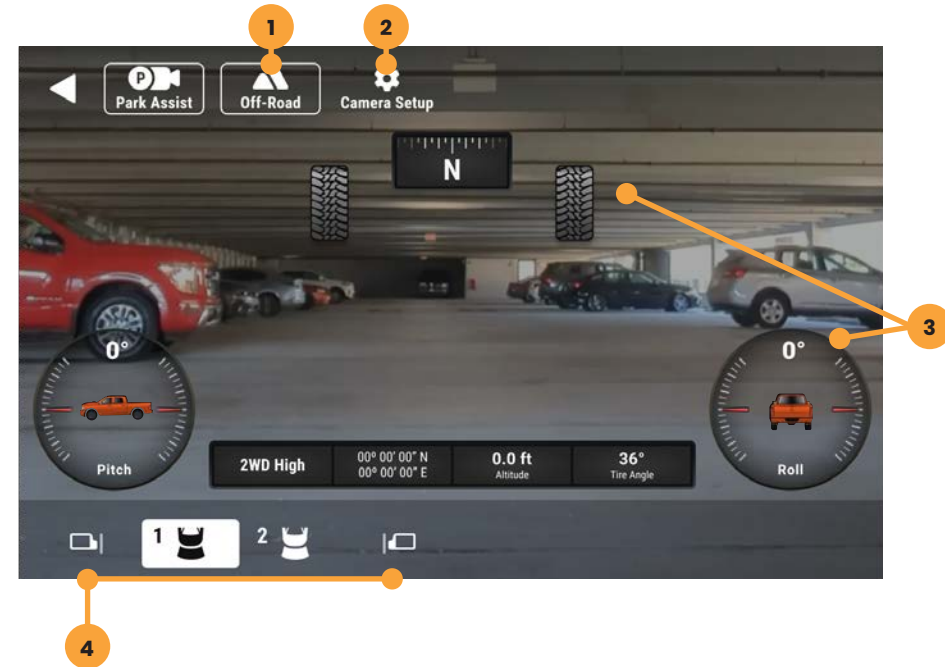
Since these are factory settings, with the exception of the PAC Enabled Settings, these are all explained in detail in the vehicles Owner's Manual.

**NOTE:** The listed settings are based on how the vehicle is equipped. For example, Aux Switches will not be present if the vehicle is not equipped with Aux Switches.

### Available Settings

- Language
- Units
- Camera
- Safety Driving Assistance
- Mirrors and Wipers
- Lights
- Door Locks
- Auto Comfort
- Engine Off Options
- Trailer

## CAMERA OVERLAY



Press the **HOME BUTTON** > **Camera** to access Camera views.

When the camera is first activated, there will be menu bars at the top and bottom of the display. These bars contents will vary depending on your installed equipment. These bars will auto-hide after 5 seconds

### 1. Off-Road Mode

Activating Off-Road Mode will display overlay of heading, tire angle, pitch, roll, and the vehicle information toolbar.

### 2. Camera Setup

Access your camera setup from this control. Turn triggers on, off, and adjust advanced camera features

### 3. Off-Road Overlay Elements

When off-road mode is not selected these overlays will no longer appear.

### 4. Camera Selection

Tap a camera icon to change cameras. Contents of this area will change based on your installed equipment

## USB PORTS

As part of the SRK-RAM13HX Integration Kit, an upgraded media hub is installed in the center console in place of the factory USB panel. The media hub includes 2 USB ports, HDMI and a 3.5mm AUX A/V port.

Wired Apple CarPlay and Android Auto require a dedicated USB-C connection which is not located in the USB ports in the center console. An additional cable can be connected to the rear of the radio module and routed to a desired location for wired CarPlay or Android Auto.

### Primary Functions USB-C:

- Apple Carplay
- Android Auto
- USB Drive Media
- Charging
- Firmware Updates

### Secondary Functions USB-A:

- USB Drive Media
- Charging
- Firmware Updates

### Secondary Functions HDMI:

- HDMI input

### Secondary Functions AUX:

- Auxiliary input

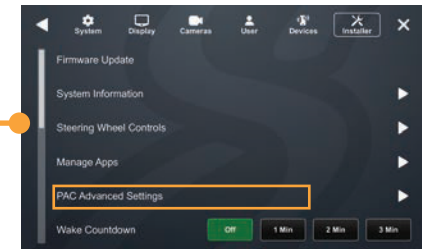


## PAC STEERING WHEEL CONTROLS

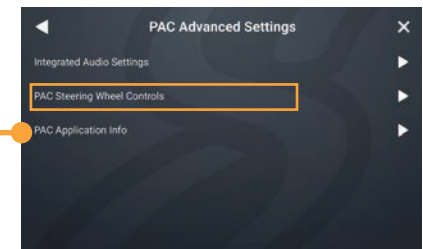
The PAC interface allows retention and customization of the factory steering wheel control buttons.

By default they will be programmed according to the factory functions. You may change the function or add Long Press functionality to any button. For example you can assign Long Press on Volume Down to activate Mute.

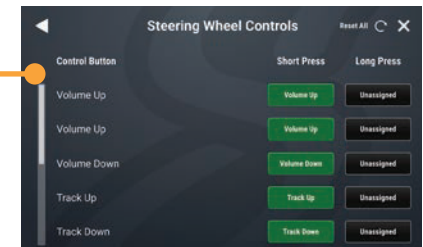
### 1. Access Installer Settings and select PAC Advanced Settings



### 2. Select PAC Steering Wheel Controls

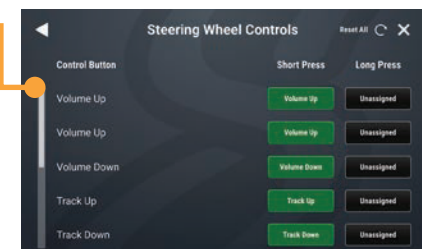


### 3. To change or add a SWC function, touch the corresponding short or long press assignment



### 4. A function menu will be displayed with the current function highlighted.

Select any of the functions to assign that function to that button.





## UPDATING SYSTEM FIRMWARE

### 1. Format a USB Drive

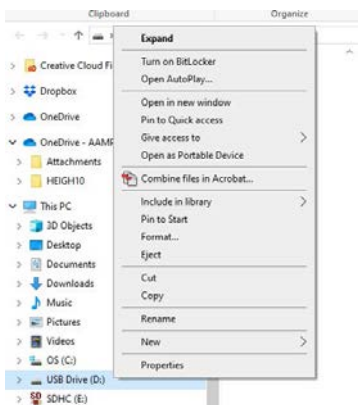
In order to prepare a USB Flash Drive for use with your HORIZON10 system, the USB drive must be formatted to FAT32 / MS-DOS(FAT).

#### Windows PC

1. Insert a 32GB+ USB Drive
2. Open File Explorer



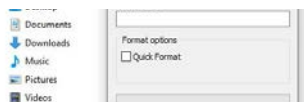
3. Right click on USB Drive and select Format



4. Select FAT 32 (Default) File System
5. Deselect Quick Format



6. Click Start

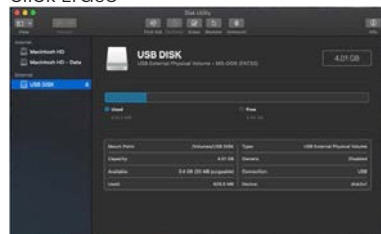


#### MAC OSX

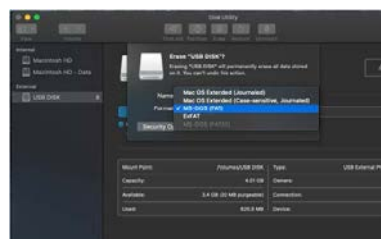
1. Insert a 32GB+ USB Drive
2. Launch the Disk Utility App from the Utilities folder
3. Select the USB drive from the External List and click Erase



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



### 2. Download Firmware



Download the firmware file from [StingerSolutions.com](http://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 HORIZON10 will automatically detect the firmware file, either when you plug it into your powered radio or on startup

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, Turn vehicle on, Master Reset Radio in installer settings. Once complete, press **Reset** button on display. Once reboot is complete, turn off vehicle and wait 1 minute. Turn the vehicle back on. Vehicle specific widgets will then appear and update is complete.

Reset Button



## TROUBLESHOOTING

### General

#### Black Screen w. Audio

Touch the screen anywhere as it may have been turned off.

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.

#### Music Volume is low

- Turn up volume on device
- Turn up volume on head unit.
- Turn up Phone Volume

#### Phone Volume is low

- Turn up volume on device.
- Turn up volume on head unit.
- Turn up BT Volume Gain
- Turn up Microphone Gain

### Cameras

#### Rear Camera not displaying in reverse

- Make sure rear camera trigger is ON (Page: 12-14)
- 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 HORIZON10 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 HORIZON10 background options to ensure uninterrupted enjoyment. :)

### SiriusXM Satellite Radio

#### Check Antenna

The radio has detected a fault with the SiriusXM antenna. The antenna cable may be either disconnected or damaged.

- Verify that the antenna cable is connected to the SiriusXM Connect Vehicle Tuner.
- Inspect the antenna cable for damage and kinks.

Replace the antenna if the cable is damaged. SiriusXM products are available at your local car audio retailer or online at [www.shop.siriusxm.com](http://www.shop.siriusxm.com).

#### Check Tuner

The radio is having difficulty communicating with the SiriusXM Connect Vehicle Tuner. The tuner may be disconnected or damaged.

Verify that the SiriusXM Connect Vehicle Tuner cable is securely connected to the radio.

#### No Signal

The SiriusXM Connect Vehicle Tuner is having difficulty receiving the SiriusXM satellite signal.

- Verify that your vehicle is outdoors with a clear view of the 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.
- Consult the SiriusXM Connect Vehicle tuner installation manual for more information on antenna installation.

Replace the antenna if the cable is damaged. SiriusXM products are available at your local car audio retailer or online at [www.shop.siriusxm.com](http://www.shop.siriusxm.com).

#### Channel Locked

The channel that you have requested is Locked by the radio Parental Control feature. See the Parental Control section on Page 18 for more information on the Parental Control feature and how to access locked channels. Default lock code is **1234**

#### Wrong Code

The code you entered is incorrect. The default lock code is **1234** If you've changed your code and can't remember it, you will have to perform a master reset of your head unit to restore the old code.

#### Subscription Updated

The radio has detected a change in your SiriusXM subscription status.

Press anywhere on the screen to clear the message.

### **Channel Unavailable**

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](http://www.siriusxm.com) for more information about the SiriusXM channel lineup.

### **Memory End**

This message will display when the beginning of stored audio has been reached. You cannot rewind any further.

### **IR Buffer Memory Full**

The stored audio memory has become full while audio was paused.

### **Channel Unsubscribed**

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.

In the U.S.A., visit [www.siriusxm.com](http://www.siriusxm.com) or call 1-866-635-2349 if you have questions about your subscription. In Canada, visit [www.siriusxm.ca](http://www.siriusxm.ca) or call 1-877-438-9677 if you have questions about your subscription.

## **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.

# HORIZON10™

The HORIZON10 infotainment radio boasts, a roomy 10-inch touchscreen, wireless smartphone connection, and IP65 weather-resistance for any adventure.

Engineered for flexibility, the HORIZON10 installs seamlessly in single or double-din openings using standard installation kits. Compatible with a wide range of vehicle fitments, including on & off-road vehicles, classic cars, RVs, golf carts, and UTVs.

**Enhance your experience with  
our compatible products**

**AudioControl®**  
*Making Good Sound Great™*

**DM Smart DSP App Intergration**

On-screen control of AudioControl's  
DM series processors and amplifiers



**Factory Vehicle Integration**

Retain factory features and add  
even more upgraded features

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## ENLIGHT10

**RGB Light Control**

On-screen control of ENLIGHT10  
RGB dynamic LED lighting