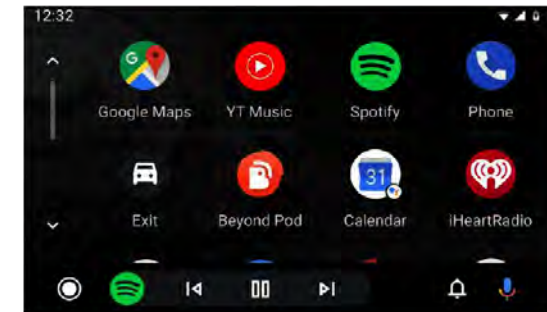
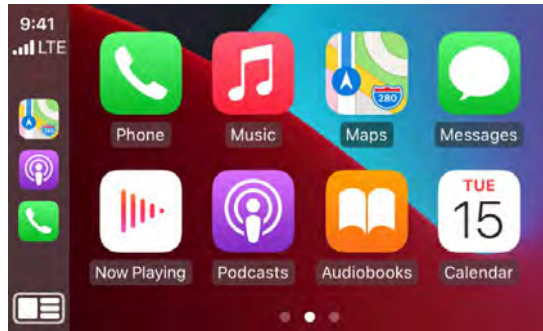


# ITZ-SYNC2



CarPlay / Android Auto + Camera input for Ford vehicles equipped with SYNC-2 8" Screen



929-220-1212 / 877-241-2526 - [www.zz-2.com](http://www.zz-2.com)

02/26/2024



# ITZ-SYNC2

Wireless CarPlay / Android Auto + Camera input for Ford vehicles equipped with SYNC2 8" Screen

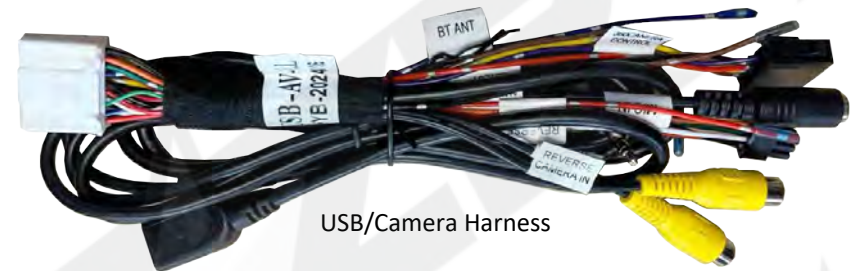
## Kit Components:



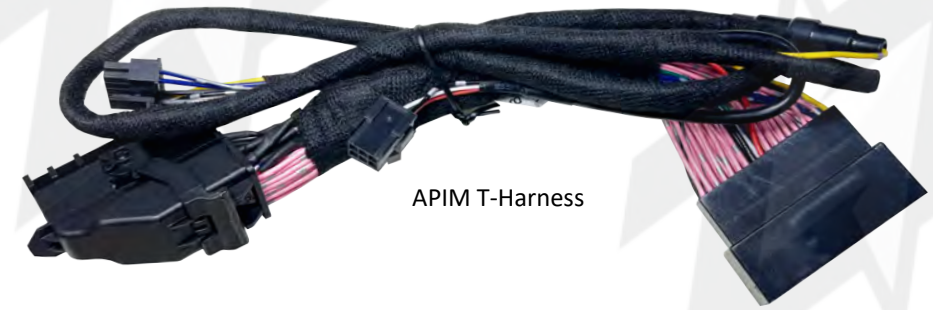
ITZ-SYNC2 Interface



PCB Harness



USB/Camera Harness



APIM T-Harness



MIC (Optional)



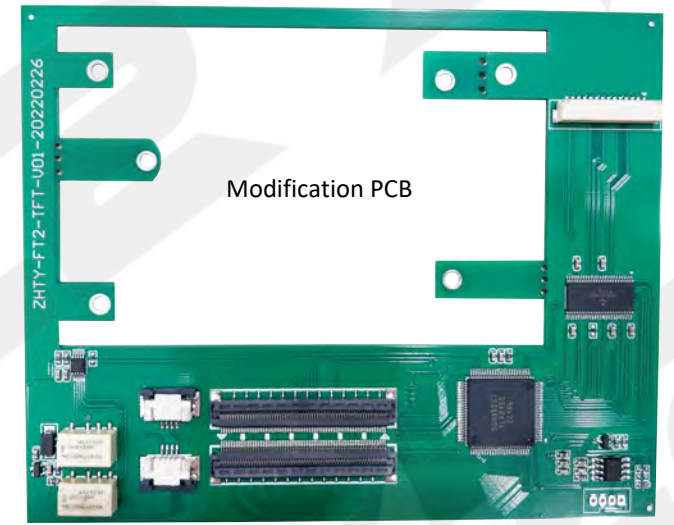
Audio Harness (Optional)



Mounting Screws



Screen & touch ribbons



Modification PCB



# ITZ-SYNC2

Screen  
Modification

Wireless CarPlay / Android Auto + Camera input for  
Ford vehicles equipped with SYNC2 8" Screen

1. Remove the factory SYNC2 8" display and bring to a bench top. Lay the assembly down on something soft to avoid scratching the screen. Remove the mounting brackets, and the following screws on all sides of the screen:

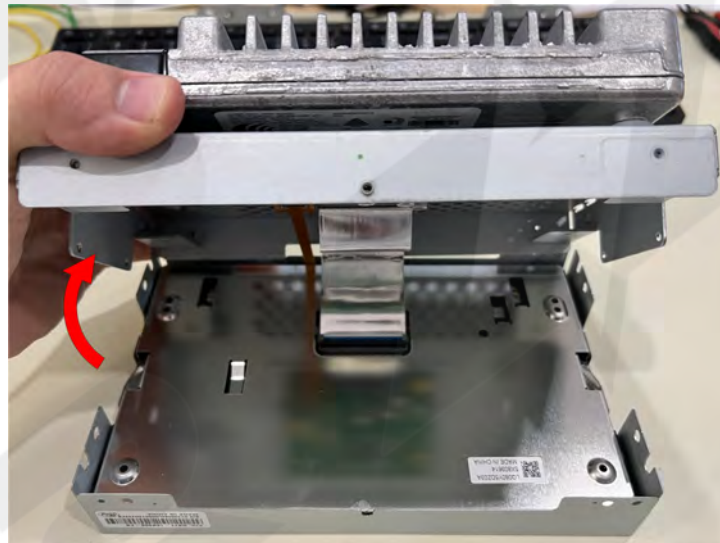
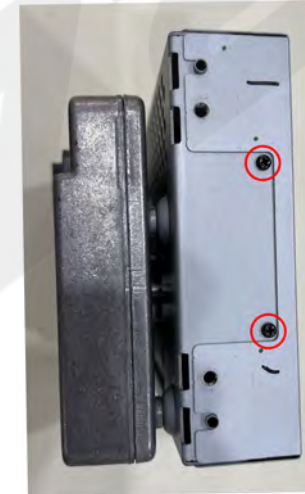
Brackets



Top & Bottom Screws



Left & Right screws



2. Gently lay the assembly flat with the screen facing downwards (like shown, left). Slowly lift the back half of the APIM assembly off and carefully disconnect (2) OE ribbons (right).



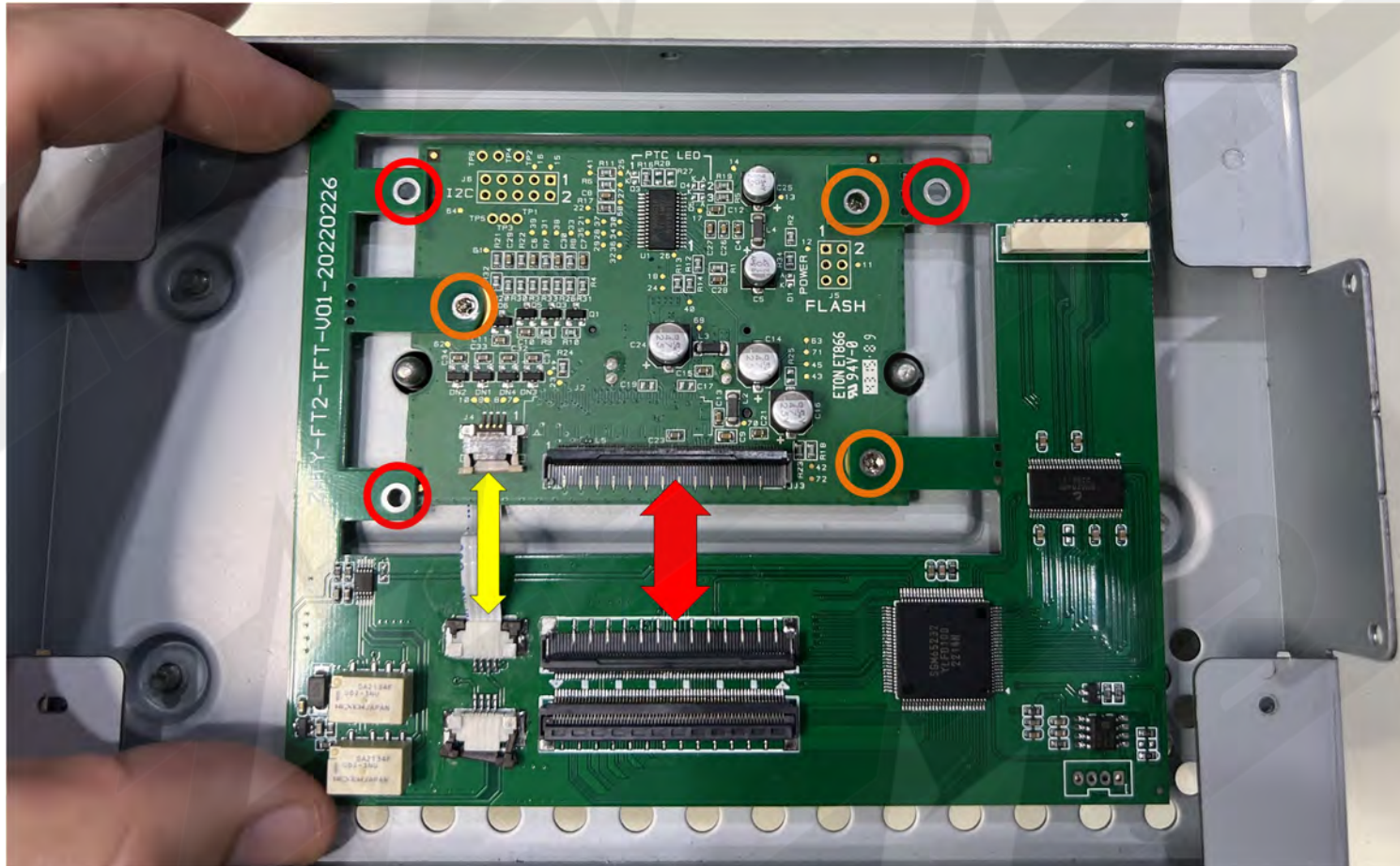


# ITZ-SYNC2

Screen  
Modification

Wireless CarPlay / Android Auto + Camera input for  
Ford vehicles equipped with SYNC2 8" Screen

3. Align the provided PCB to the factory LCD PCB. *You'll notice that there are extra tabs on the provided PCB - some may need to be snapped off.* Your factory LCD PCB may not look exactly like shown, but the ribbons will be the same (some factory PCB's have (4) mounting screws - the provided PCB can accommodate for every version of Ford SYNC2 8" screen).



The arrows indicate where the provided ribbons will connect. The *yellow arrow* is for touch commands, the *red ribbon* provides the image. For this example screen assembly, the *orange circles* show the screws to be used for mounting and the *red circle* locations will not be used.

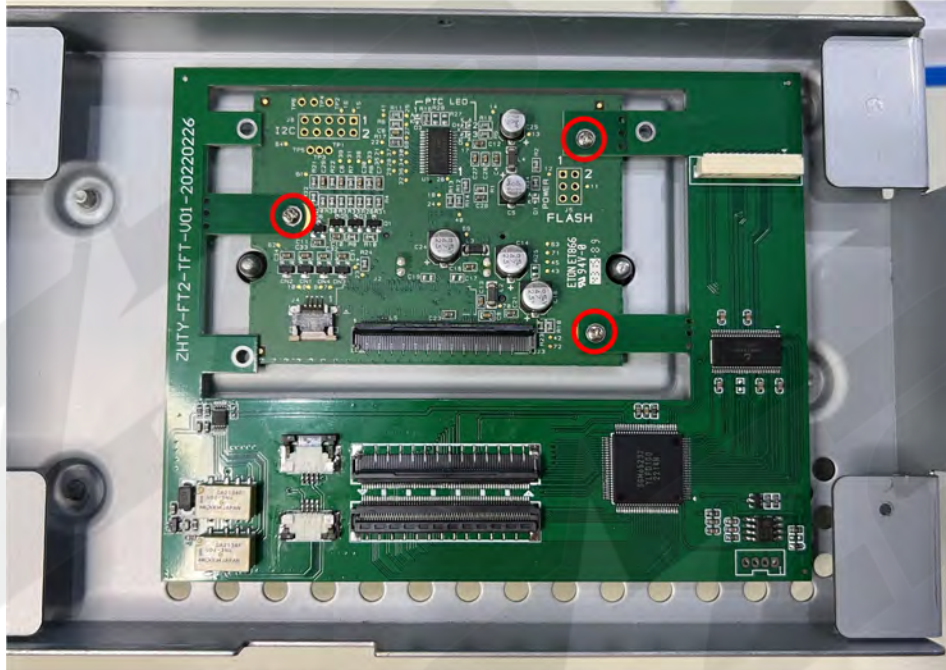


# ITZ-SYNC2

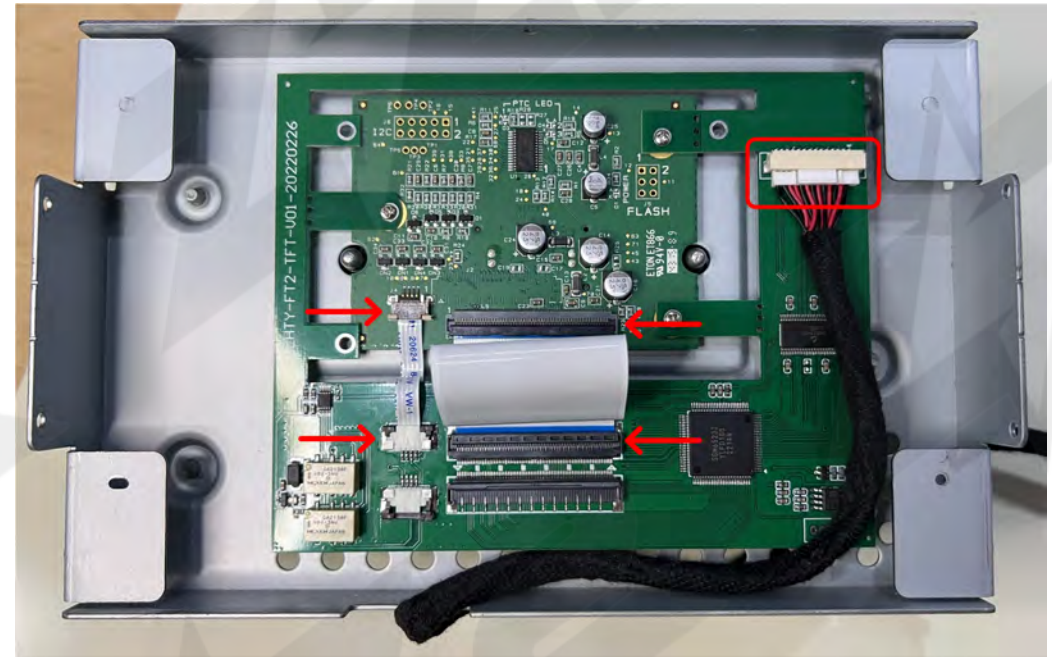
## Screen Modification

Wireless CarPlay / Android Auto + Camera input for Ford vehicles equipped with SYNC2 8" Screen

4. Remove the (3) or (4) OE screws mounting the LCD PCB in place, and secure down the provided PCB in the proper place. If the OE Ford screws are not long enough, compatible screws have been provided to use instead.



5. Connect the provided (touch & video) ribbons from the provided PCB to the OE LCD PCB like shown below (arrows). **NOTE: the touch ribbon pins face upwards, the video ribbon pins face downwards.** Connect the provided PCB harness to the 14-pin connector to be routed out of the screen chassis at a later step (touch ribbon notch provides enough clearance)



When inserting the video ribbon to the Flat Flex Connector (FFC), place in fully and squarely, then bring back the corners of the ribbon to meet the corners of the FFC before clamping.



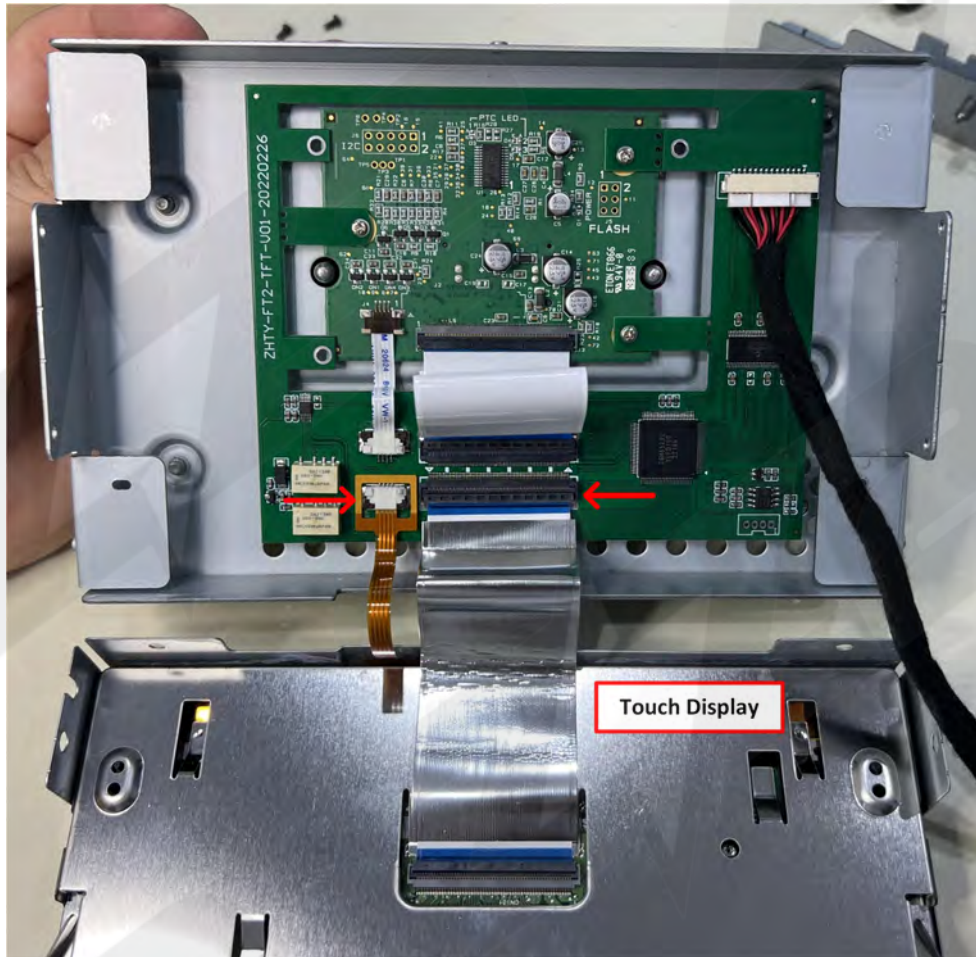


# ITZ-SYNC2

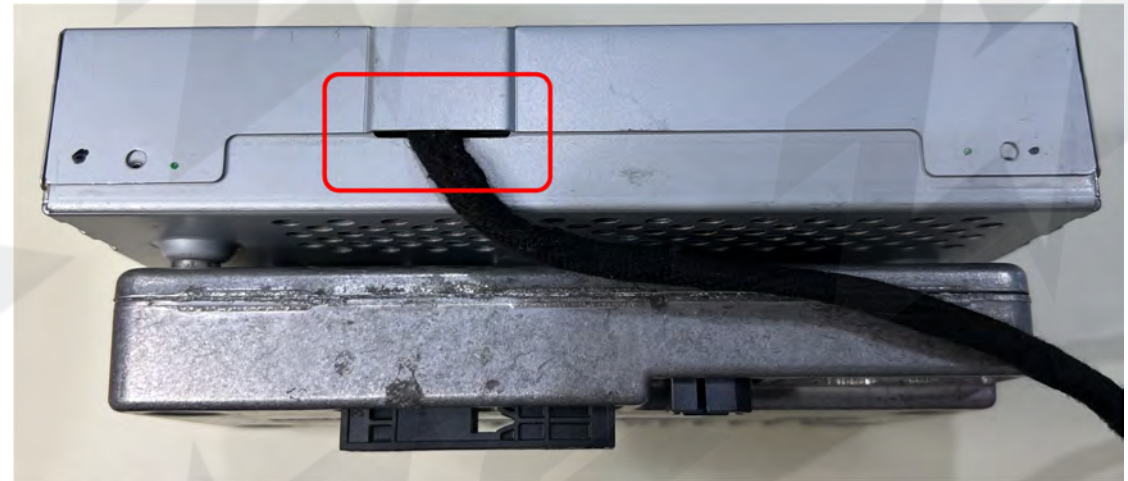
Screen  
Modification

Wireless CarPlay / Android Auto + Camera input for  
Ford vehicles equipped with SYNC2 8" Screen

6. Connect the factory ribbons (from the display) to the provided PCB like shown (indicated by red arrows)



7. Carefully reassemble the modified screen assembly paying close attention how the metal chassis pieces overlap (screen side overlaps APIM side). Route the PCB harness connected to the PCB (earlier, step 5) out the notch at the bottom near the factory touch ribbon. This harness connects to the external module at the port labeled 'LVDS OUT'.



See next page for complete wiring diagram to finish installation.



# ITZ-SYNC2

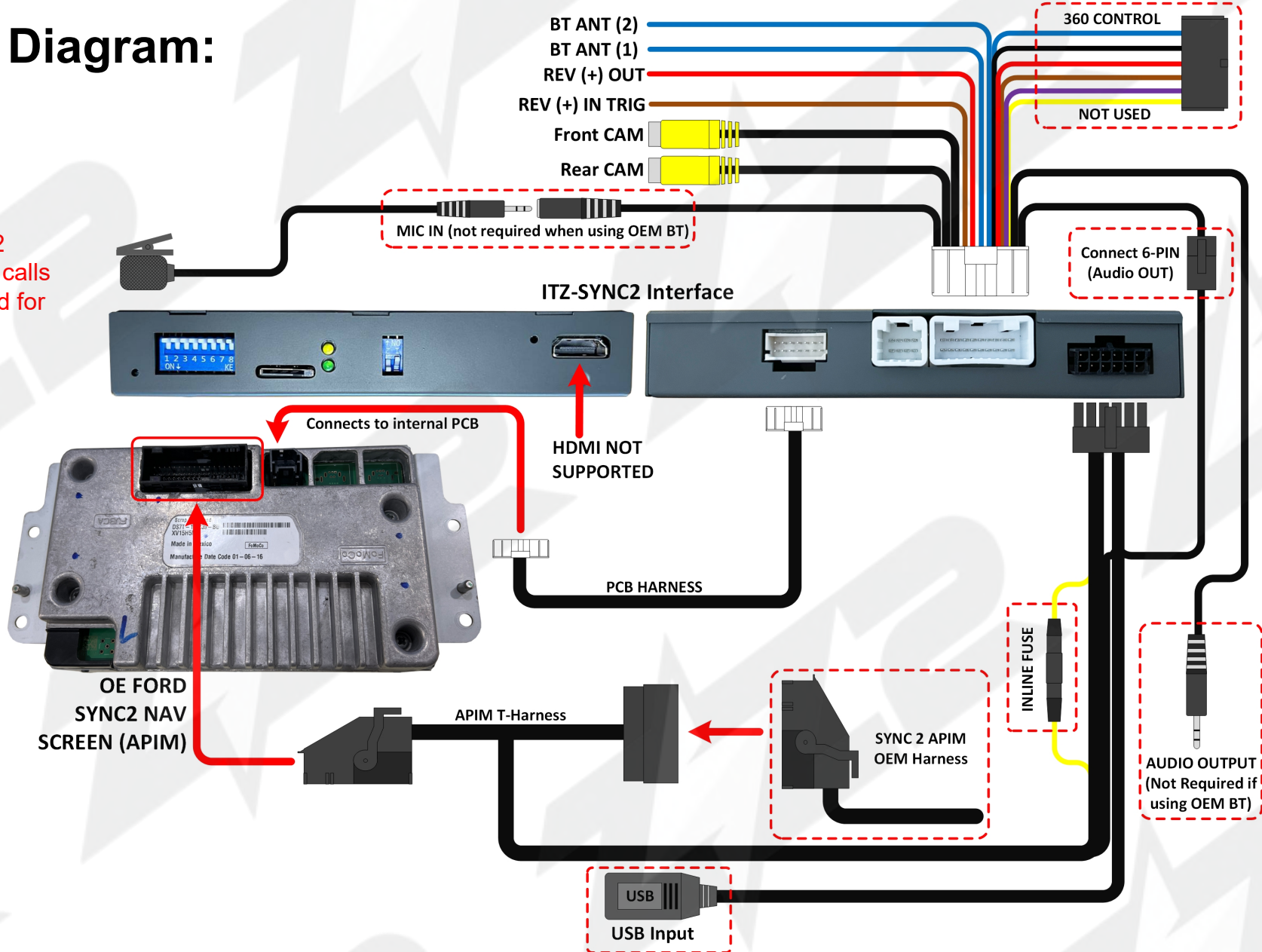
Wireless CarPlay / Android Auto + Camera input for Ford vehicles equipped with SYNC2 8" Screen

## Installation Diagram:

### NOTE:

- Audio harness (RCAs) typically not used

- Using the OEM SYNC2 system to handle phone calls & music is recommended for best performance





# ITZ-SYNC2

Wireless CarPlay / Android Auto + Camera input for Ford vehicles equipped with SYNC2 8" Screen

## DIP Switch Settings:



### ALL VEHICLES:

	1	2	3	4	5	6	7	8
OFF: Adding Aftermarket Camera	KEEP	KEEP	KEEP	KEEP	KEEP	KEEP	KEEP	KEEP
ON: Equipped with OEM Camera	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON

### IMPORTANT NOTES:

- ZZ-2 recommends the end user connects phone Bluetooth to both the ZZPLAY system and the factory Bluetooth audio system for best results.

The settings 'BT Channel' must be turned ON for this to function properly (default). This allows the SYNC2 radio to handle all audio from CarPlay / Android Auto (phone must also be connected to the SYNC radio for BT audio).

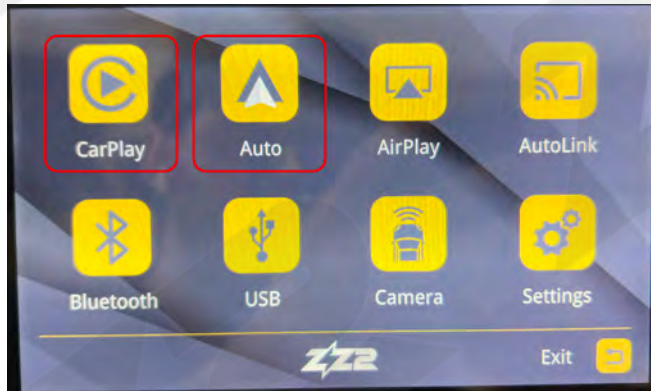
- HDMI is not supported on this kit!





# ITZ-SYNC2 Phone Pairing

Wireless CarPlay / Android Auto + Camera input for Ford vehicles equipped with SYNC2 8" Screen

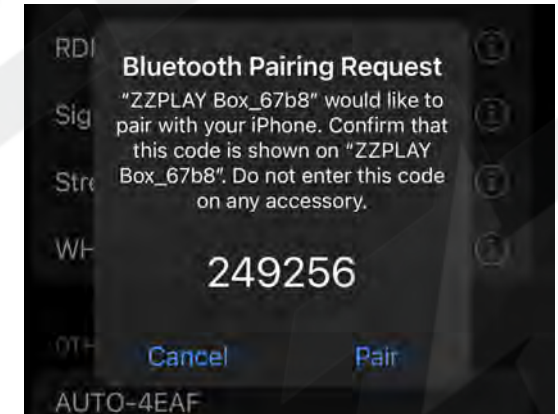


Connection for iPhone and Android phones is mostly the same process: Verify Bluetooth & WIFI is enabled. Then connect to the ZZPLAY unit through Bluetooth and once that connection is established, the system will create an Ad-Hoc WIFI connection automatically (in the background). For iPhone, this WIFI will prompt as 'Use CarPlay'

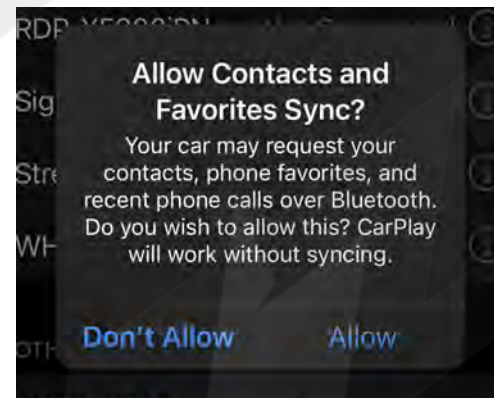
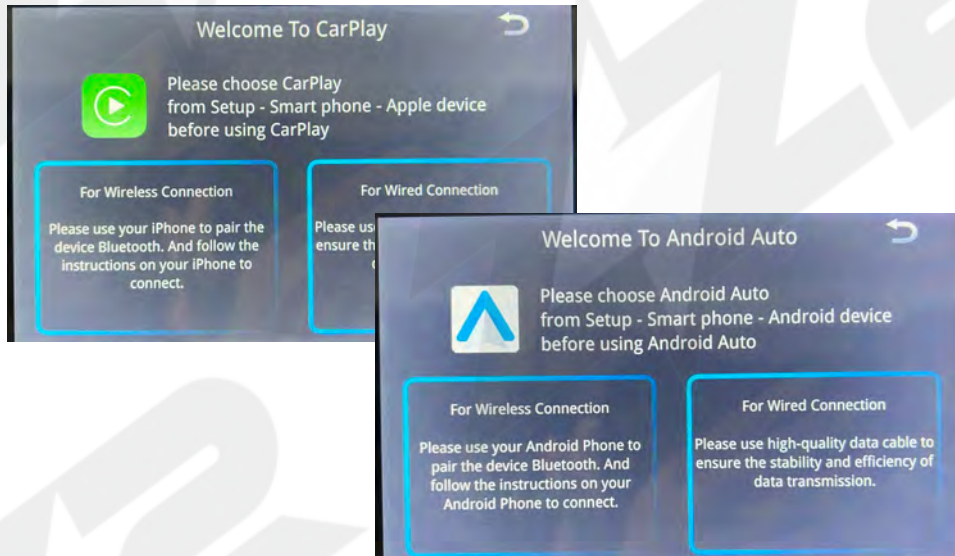
## Iphone Connection Example



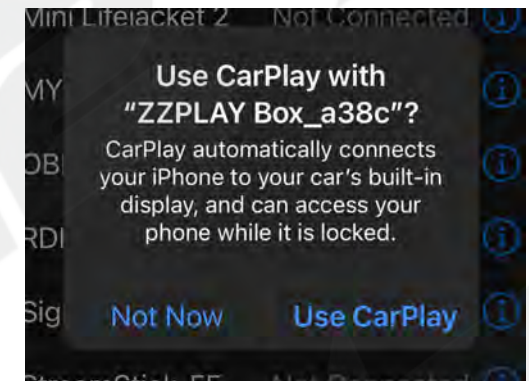
1. Go to Settings>Bluetooth, look under 'OTHER DEVICES' for 'ZZPLAY Box\_xxxx' and touch on it.



2. Press 'Pair' when the code is prompted.



3. Press 'Allow' for contacts to be shared.



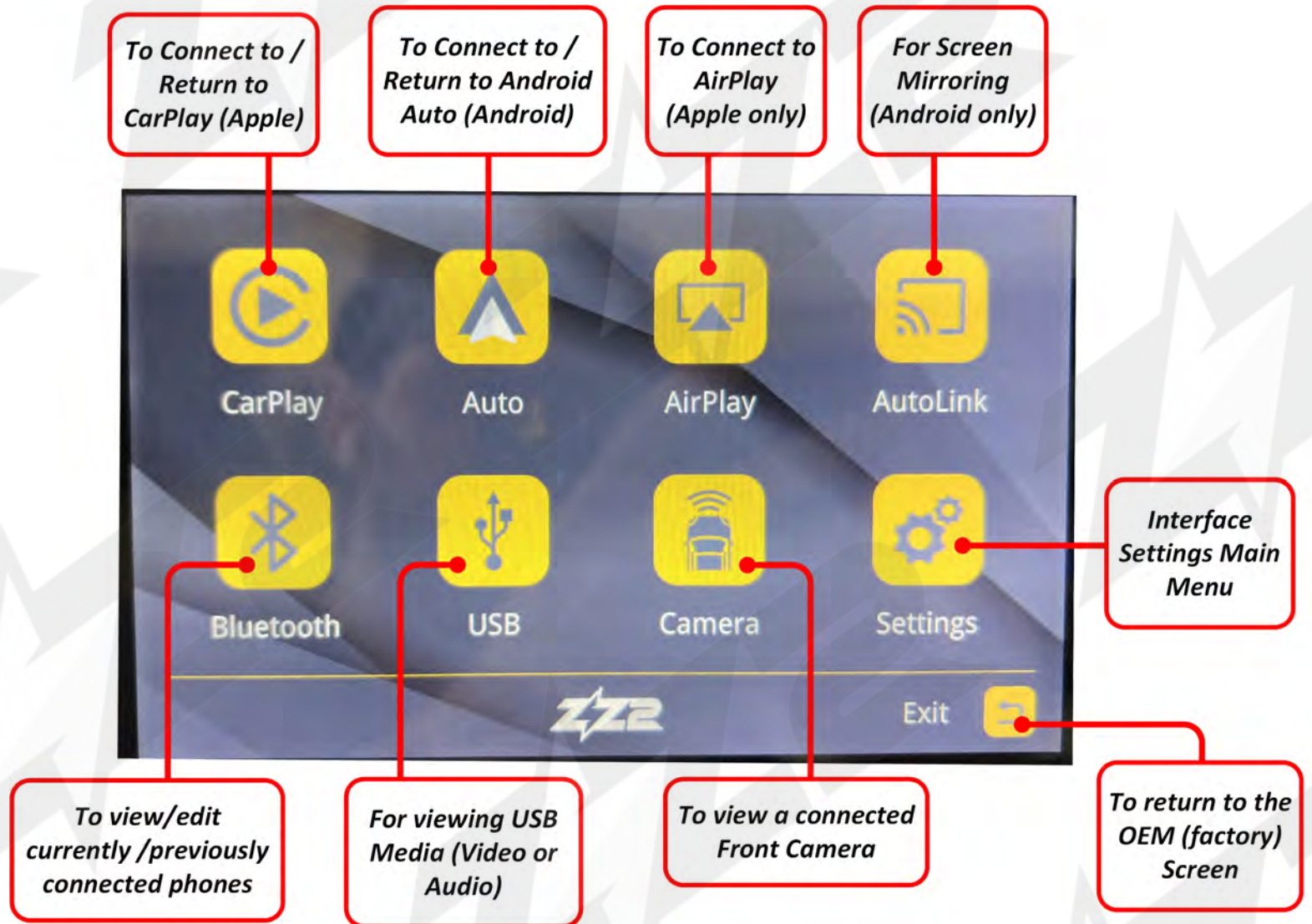
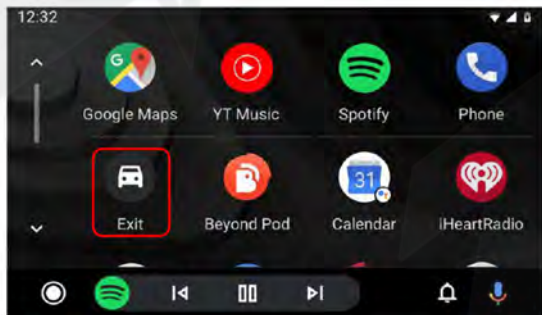
4. Wait for the 'Use CarPlay' prompt and select it - shortly after this CarPlay should load.



# ITZ-SYNC2 Menu Overview

Wireless CarPlay / Android Auto + Camera input for Ford vehicles equipped with SYNC2 8" Screen

To gain access to the Interface menu, from within CarPlay/AA mode, and locate the exit tile, labeled as 'ZZPLAY' for CarPlay or 'Exit' for Android Auto. Selecting this tile will bring you in the interface setup menu, NOT the OE system.



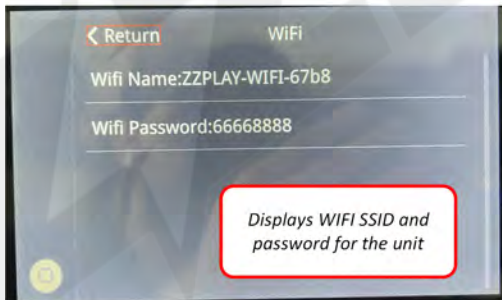
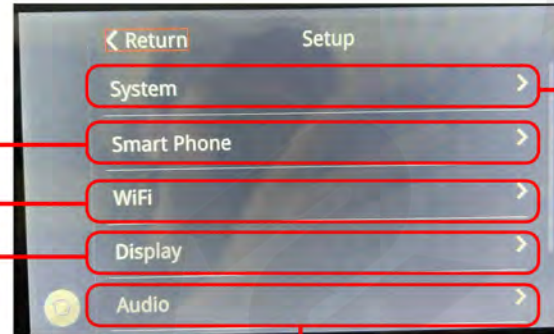
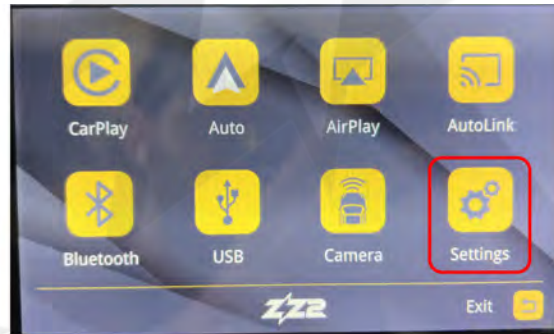


# ITZ-SYNC2 Menu Options (1/2)

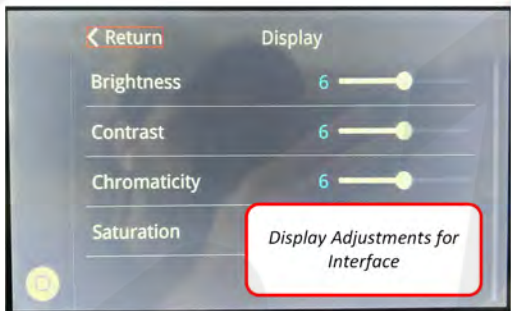
Wireless CarPlay / Android Auto + Camera input for Ford vehicles equipped with SYNC2 8" Screen



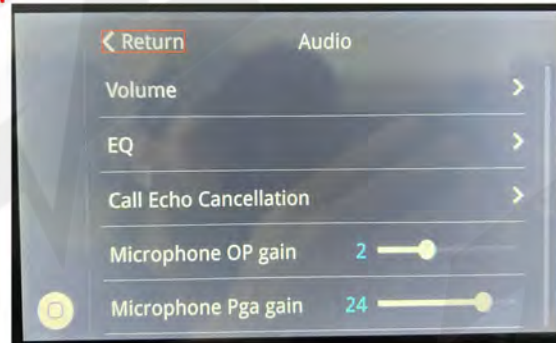
Shows which apps are displayed on the Main Menu



Displays WIFI SSID and password for the unit



Display Adjustments for Interface



**AUDIO SETTINGS:**  
These settings only apply if you use AUX input for audio from CarPlay/AA (not recommended). If using OEM Bluetooth (recommended), Audio is 100% handled via the factory radio audio settings.

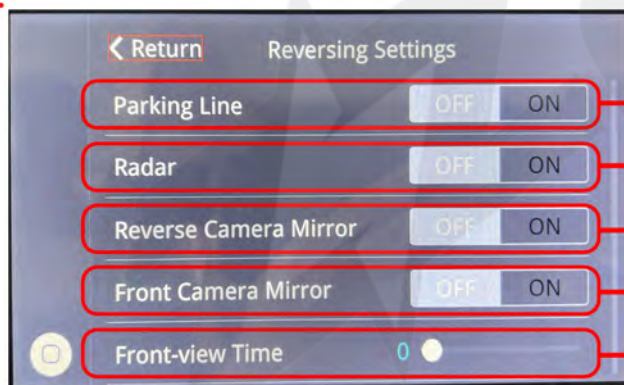
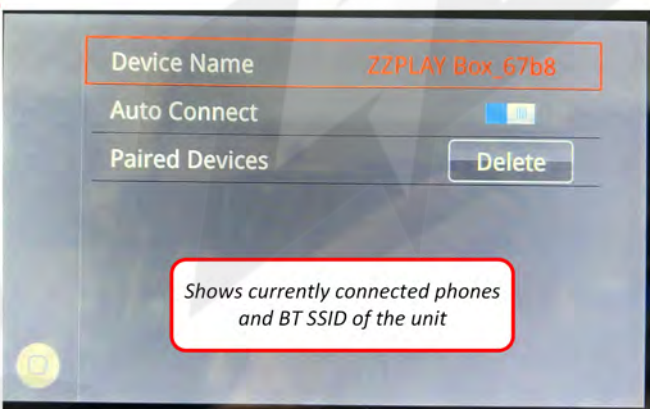
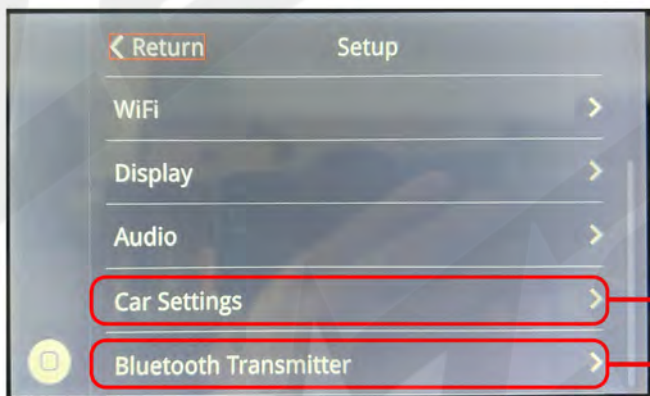
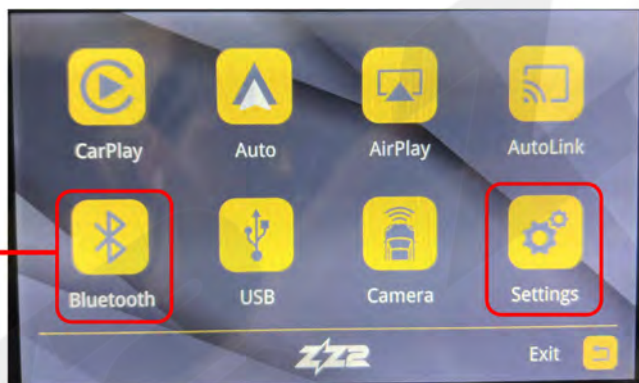


- Change Language for Interface Menus
- Flips CarPlay/AA for Right-Side Drive vehicles (EU, etc)
- Leave this ON. When ON, all audio from CarPlay/AA is routed to the OEM Bluetooth Audio stream source. You must connect the phone to the factory IOS/IO6 radio Bluetooth as well as the ZZPLAY interface.
- For Auto-Switching (screen)to CarPlay when the Phone connects.
- Leave this ON for reliability with Audio Routing.
- NOT USED. This feature is hard-coded to recognize ACC.
- Used to update the system/MCU firmware. Only use when requested to use from ZZ-2.
- For checking current system firmware.
- To reset to factory settings

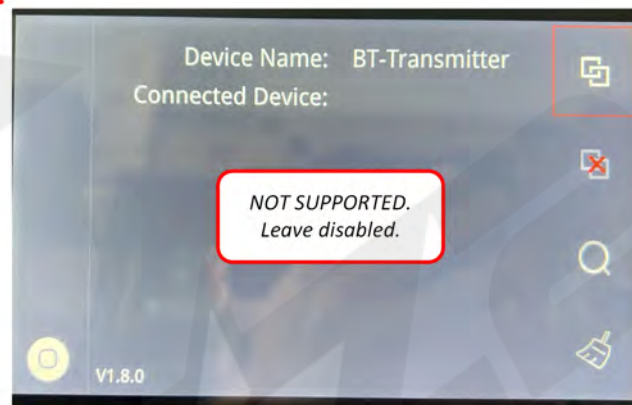


# ITZ-SYNC2 Menu Options (2/2)

Wireless CarPlay / Android Auto + Camera input for Ford vehicles equipped with SYNC2 8" Screen



- Add or remove parking lines when adding a rear camera
- Add or remove sensor information when adding a rear camera
- Flip the rear camera image 180
- Flip the front camera image 180
- Time to show an added front camera (after leaving reverse gear)





# ITZ-SYNC2 CdYfUjcb

Wireless CarPlay / Android Auto + Camera input for Ford vehicles equipped with SYNC2 8" Screen

Ford Mustang



Ford F150



K \ Yb'Ud\ cbYwbbYwzH YgWYYb'k j''Zj'd'Ui hca UhjWU`m'

For audio, connect phone to OEM Bluetooth and use Bluetooth audio via SYNC2 radio.



# ITZ-SYNC2 **FAQ**

Wireless CarPlay / Android Auto + Camera input for  
Ford vehicles equipped with SYNC2 8" Screen

**Question:** *I can't hear any audio from the CarPlay/Android Auto system.*

**Answer:** Your OE system must be resting on Bluetooth audio mode in order to hear any sound from the kit, and the phone being paired must be connected to the factory SYNC2 Bluetooth system for Phone calls and audio. AUX is generally NOT used in this system.

**Question:** *Sometimes my phone won't connect lately / Sometimes when it connects the screen goes black / Sometimes CarPlay kicks me out back to the interface menu.*

**Answer:** For iPhone users, you must perform a 'Hard Reset' on the phone in use on average twice a month to clear certain cache and reset the processors (this will not wipe any data). Follow the steps (right image) and perform this task. After this is done, you will see a difference in speed and reliability (of pairing/connecting).

Perform a 'Hard Reset' (iPhone):

1. Press and Release Volume UP
2. Press and Release Volume DOWN
3. Press and HOLD the Main Power button for 20 seconds. IGNORE the 'Slide to Power Off' slider after a few seconds – wait until the Apple logo appears before letting go of the power button.
4. Test system when phone reboots. *NOTE: this will not erase personal phone data.*

**Question:** *Incoming text responses from SIRI are silent on CarPlay. It mutes the audio but I don't hear the read-out.*

**Answer:** This often happens for 2 reasons: The iPhone needs a hard-reset (see previous question), or the phone is connected to the vehicle's OE Bluetooth for both **phone calls & audio (and the text read-outs are being sent to the vehicle BT source - you're on AUX source)**. You want to be connected to the vehicle for phone calls ONLY - for iPhone the only way to make this distinction is to adjust the phone setup on the OE radio side. Find your phone (name) in the Bluetooth or Phone setup in the OEM radio settings and disconnect as an audio player. *NOTE: not all vehicles have this option, but it seems to happen mostly with cars that do have this option (Lexus, etc).*



**Question:** *Using Android, I cannot get the phone to reliably connect wirelessly (or at all).*

**Answer:** Android phones are more finicky and iPhones with their wireless connectivity. Make sure the OS is fully up-to-date. Clear the cache on the Android Auto application. The Android OS must be at least version 11. Some phones (TCL, Motorola) seem to have protocols that don't play nice with every system. If you run into this, use a good USB-C cable for the Android Auto Connection instead.



[support@zz-2.com](mailto:support@zz-2.com)

929-220-1212

Toll free: 877-241-2526

Extension 2: Tech Support

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