

PRODUCT FEATURES:

- Smart-Play Integration system allows connection of Android and other phones to the GM infotainment system.
- Integrates wired/ wireless Android Auto and CarPlay.
- Retains functionality of the OEM backup camera if present.
- Front camera automatically shows on the screen after changing the gear from reverse to drive.

PARTS INCLUDED:



ACPGM-80NW Module



Power Harnesses



Smartphone Interface Module



USB Extension Cable
Optional sold separately



4K HDMI Cable



Microphone



LVDS Video Cable



3.5mm Aux Cable



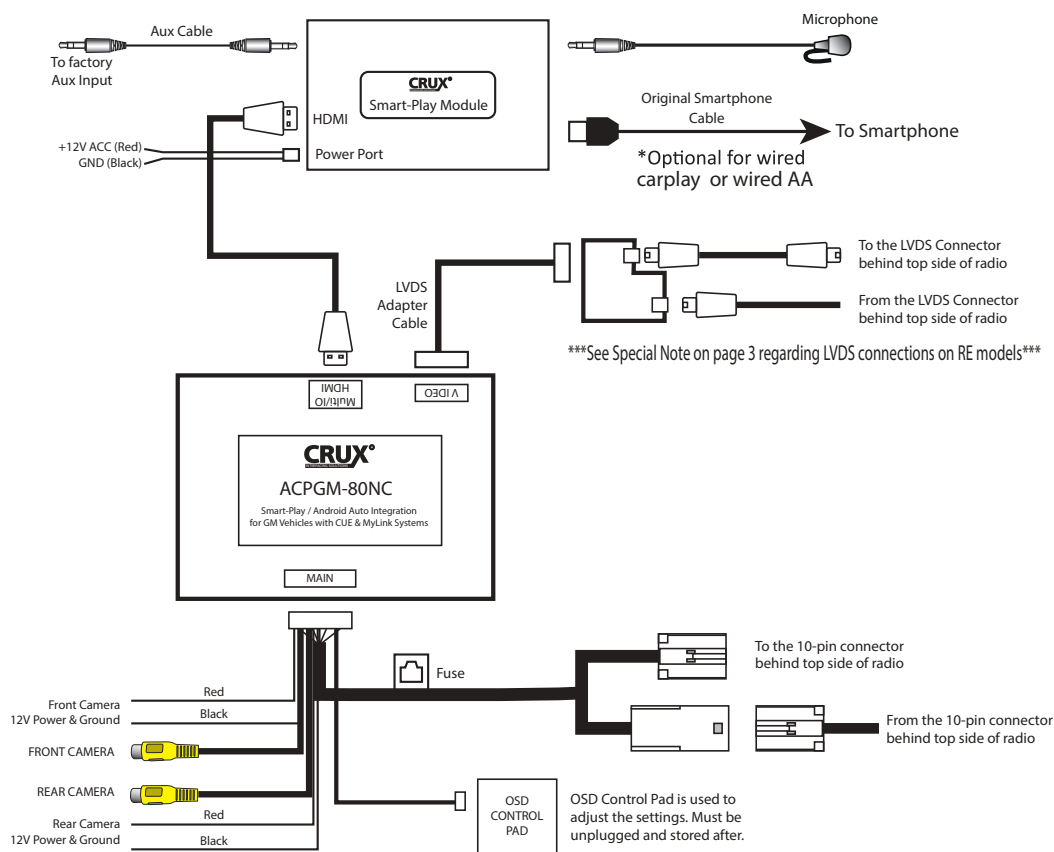
Smart-Play Module Power Harness



OSD Controller



WIRING DIAGRAM:



DIP SWITCH SETTINGS:



DIP	SETTING	VEHICLE
1 to 8	ALL UP	Malibu and Volt
1	DOWN	Corvette C7
2	DOWN	Escalade, CTS-V
3	UP	No Function
4	DOWN	Cruze (with 8" screen)
5	DOWN	Cadillac XT5
6	DOWN	Impala, Suburban, Tahoe, Yukon, Sierra, Acadia, Silverado, Yukon (with RSE)
7	DOWN	Suburban (with RSE), Tahoe (with RSE)
1 & 5	DOWN	Colorado
2 & 5	DOWN	Escalade, CTS, CTS-V, SRX (with no OEM front camera)

RSE = Rear Seat Entertainment



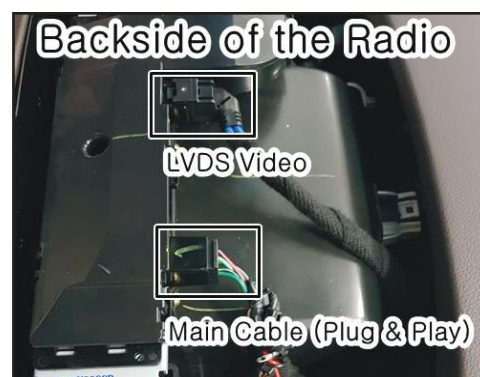
INSTALLATION INSTRUCTIONS:

Suburban, Tahoe, Yukon with Rear Seat Entertainment (RSE) wiring connections:

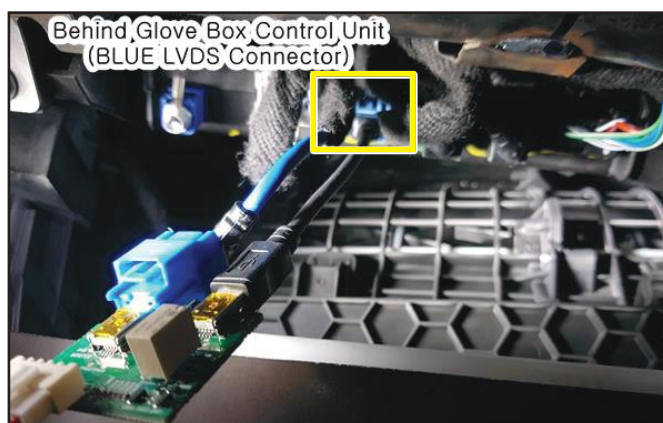
Suburban, Tahoe, Yukon models with Rear Seat Entertainment Systems have 2 LVDS cables on the back of the radio.



Plug and play connections behind the top side of the radio.



On RE models, the power harness is plugged in behind the headunit but the LVDS cable is plugged in at the HMI module (usually found behind the glove box).

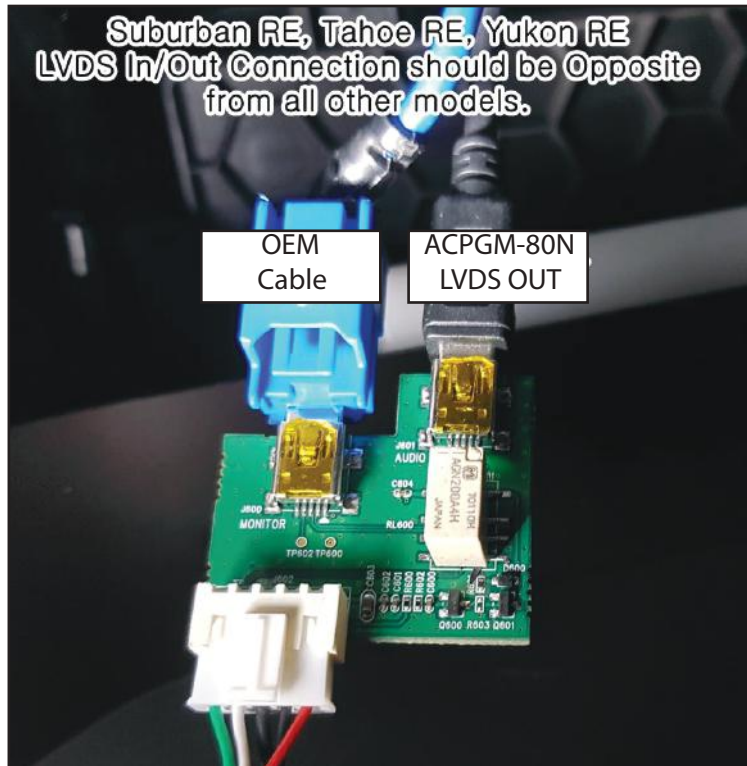


Connection is made on the blue LVDS connector on the HMI module.



SPECIAL NOTE:

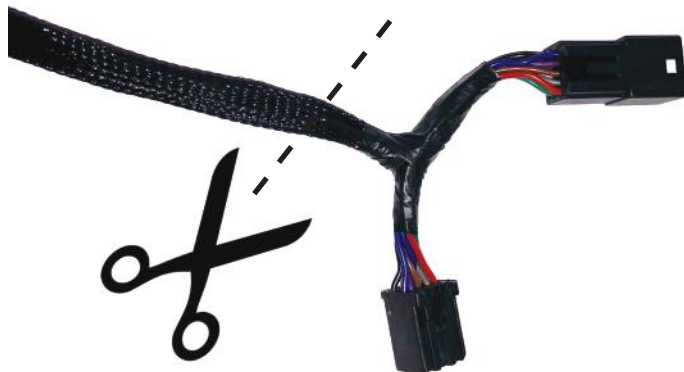
On Impala and Suburban, Tahoe, Yukon models with Rear Seat Entertainment Systems, the LVDS cable connection on the ACPGM-80N LVDS adapter board is the opposite of the standard connection. Please take note of this when plugging in the LVDS connectors. See image below.



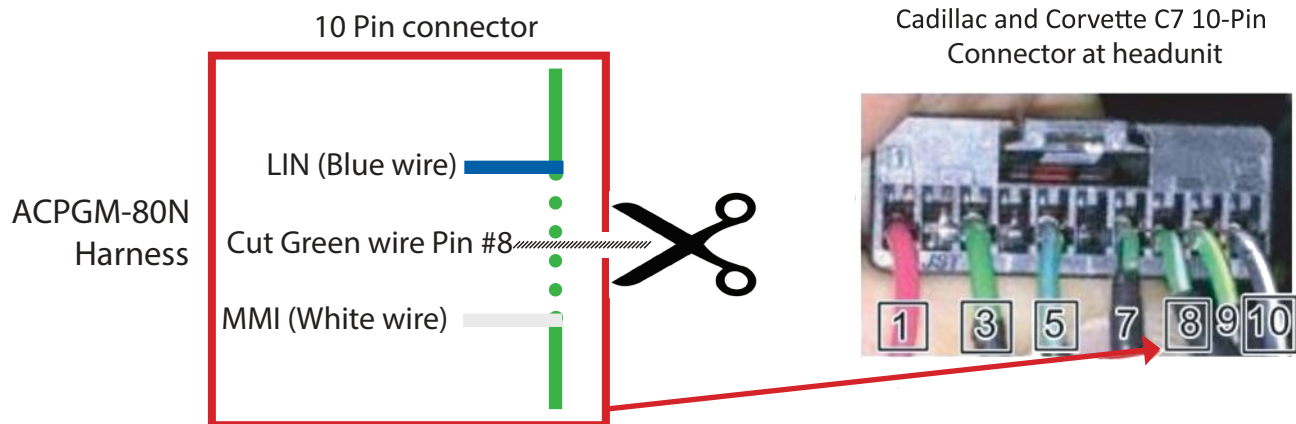
Cadillac and Corvette C7 with 10 pin Connector at headunit

For Cadillac and Corvette C7 installations, you must cut the ACPGM-80N 10 pin connectors and hardwire it to the OEM connector wires.

ACPGM-80N POWER HARNESS	
White	LIN Bus
Blue/White	MMI
Brown/White	CAN
Red	+12V Constant
Black	Ground



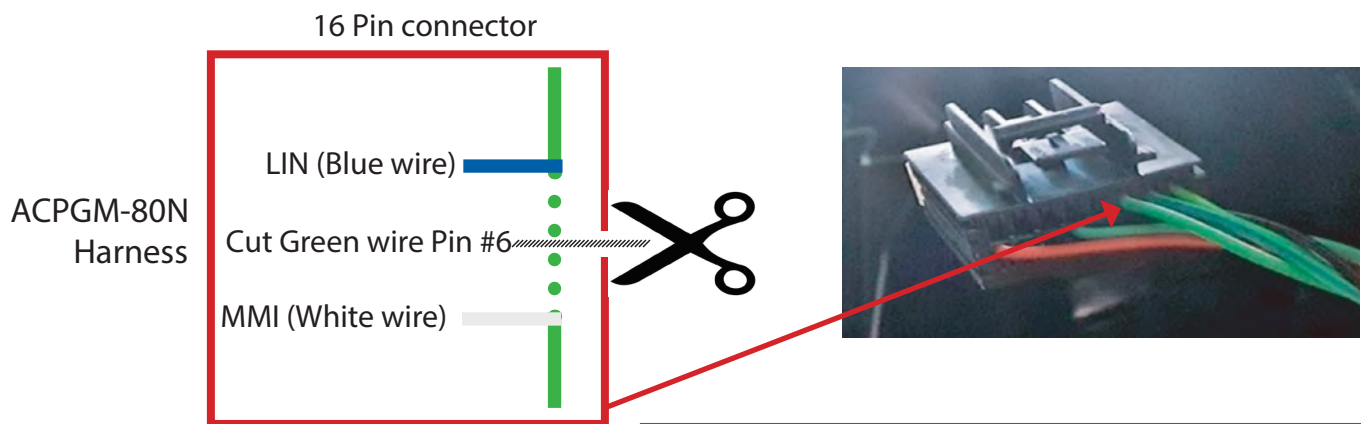
Cadillac and Corvette C7 Connection with 10 Pin connector:



Cut the Green wire on pin #8 on the 10 pin factory connector and connect the LIN (blue wire) and MMI (white wire) of the ACPGM-80N harness following the diagram above.

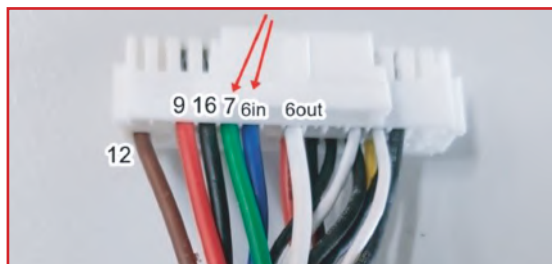
PIN 1 = B+ connect to VCC Red wire
PIN 3 = CAN connect to CAN High (White/Brown) wire
PIN 8 = LIN (see connection diagram above)
PIN 10 = Ground connect to Black wire

Cadillac Connection with 16 Pin connector:



PIN 6 = LIN (see connection diagram above)
PIN 9 = B+ connect to VCC Red wire
PIN 12 = CAN connect to CAN High (White/Brown) wire
PIN 16 = Ground connect to Black wire

30 Pin ACPGM-80N main module pin out.
(Note: Wire colors can be different but pin locations will remain the same.)



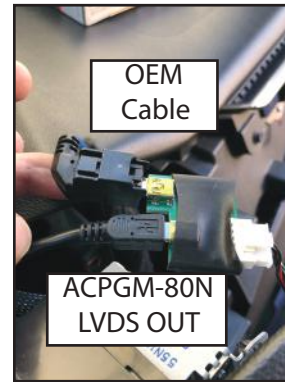
GM vehicles without Rear Seat Entertainment (RSE) wiring connections:



Plug and Play harness plugs
behind radio



ACPGM-80N LVDS video
cable plugs behind radio



LVDS Video Connection



Plug in 4K HDMI Cable



Plug in 3.5mm Aux Cable
to factory Aux Input



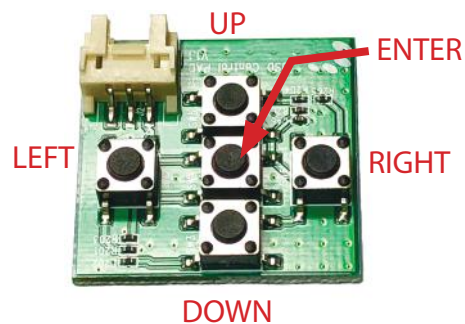
Optional plug in original smart-
phone cable to USB Ext. cable for
wired connectivity

ON SCREEN DISPLAY (OSD) SETTINGS:

The OSD Setting Screen automatically pops up when the OSD Control Pad is connected.



OSD Control Pad



Use the OSD menu to make the necessary settings. Remember to Run Save&Reboot after the settings are made. Unplug the OSD Control Pad after setting the cameras and keep it in a secure location in case it is needed to change the settings.



SMART-PLAY SETTINGS:



After plugging in the OSD controller, navigate down to LVDS Input and set to ON. Push RIGHT button to go to the next menu.




Set Navi Brand to NV17



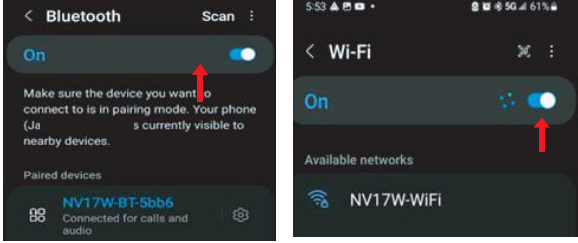
Navigate the OSD back to the main menu and go to Save&Reboot then Run.

WIRELESS CARPLAY/WIRELESS ANDROID AUTO CONNECTION SETTINGS

Android Auto Wireless connection

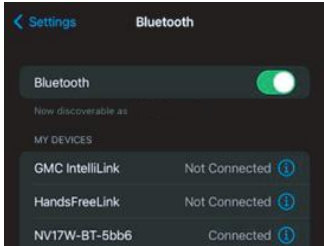


Have Android AutoLink OFF

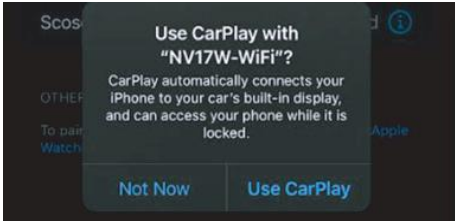


Have wifi & Bluetooth enabled.

Apple Carplay Wireless Connection



Have wifi & Bluetooth Connected

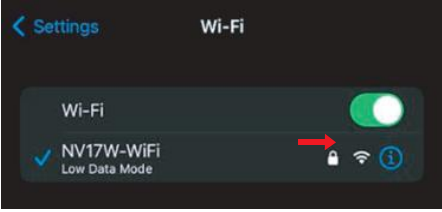


Wait for screen that will state Use Carplay with "NV17W-WIFI"

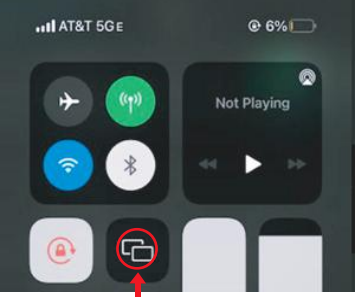


SMARTPHONE MIRRORING CONNECTION

Smartphone Mirroring Connection for Iphones



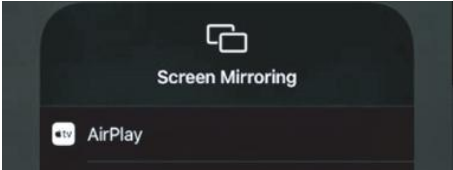
Enable Wi-Fi and connect to " NV17W " module



Open Control Center and Tap Screen Mirroring

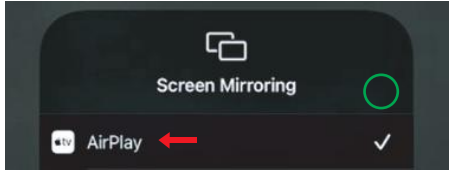
a. On iPhone X or later; iPad with iPadOS 13 or later: Swipe down from the upper-right corner of the screen.

b. On iPhone 8 or earlier or IOS 11 or earlier: Swipe up from the bottom edge of screen




Airplay will pull up on sreen mirroring app

↓

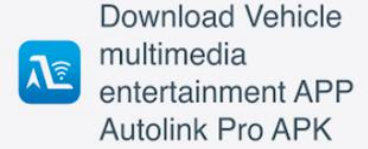


Select " Airplay "

Smartphone Mirroring Connection for Androids

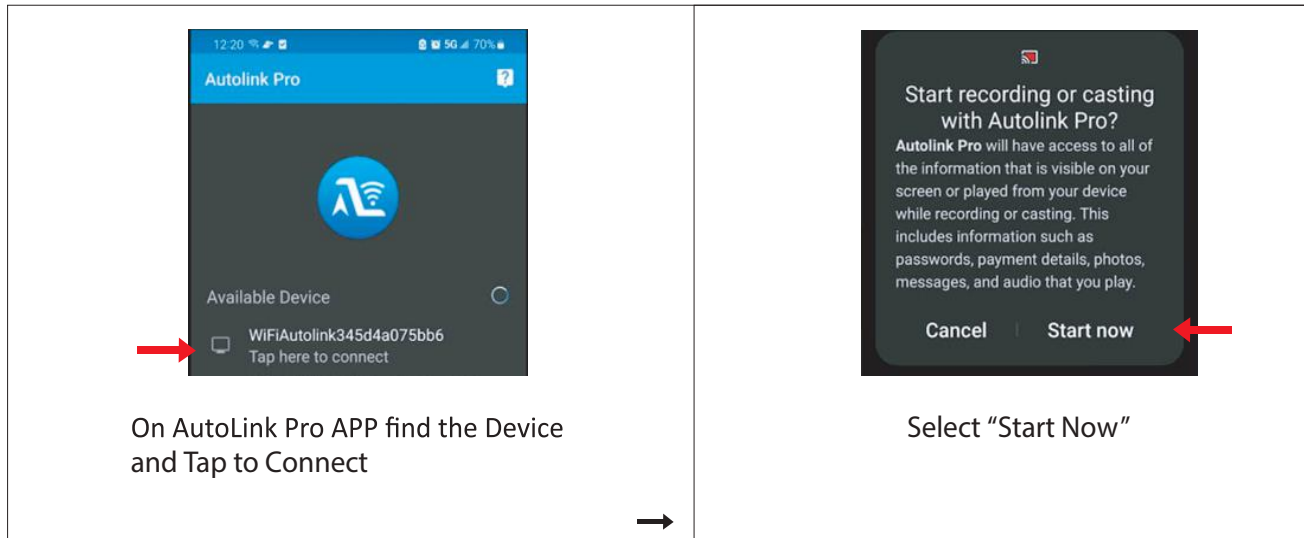


Enable Android AutoLink

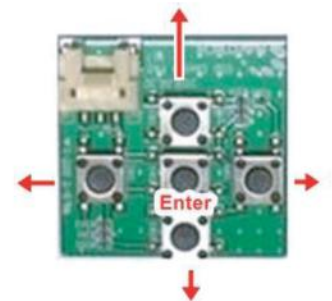
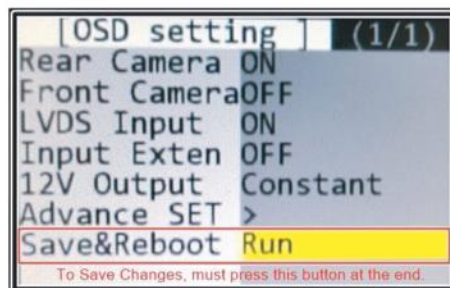
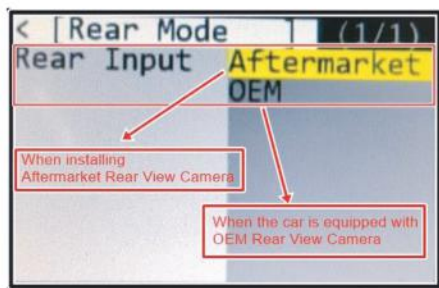
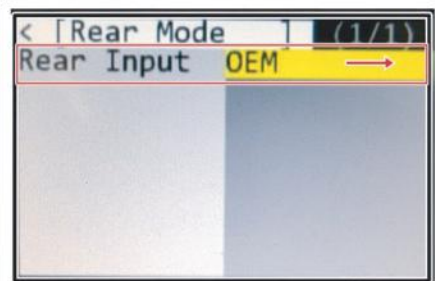
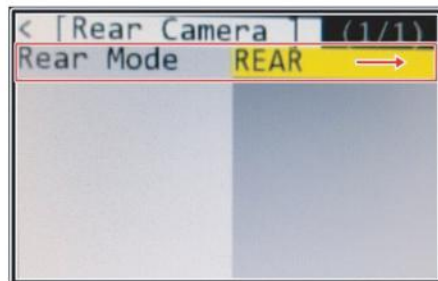
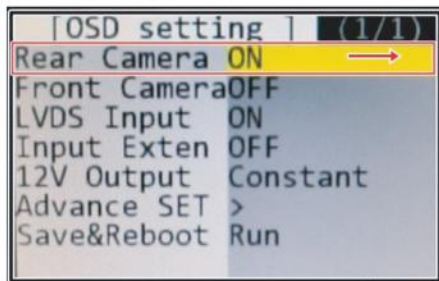


Download AutoLink Pro APP Available in the "Play Store"

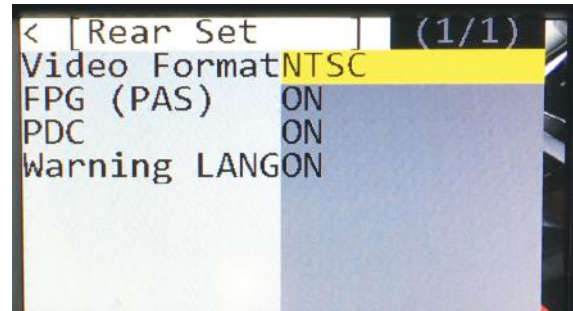
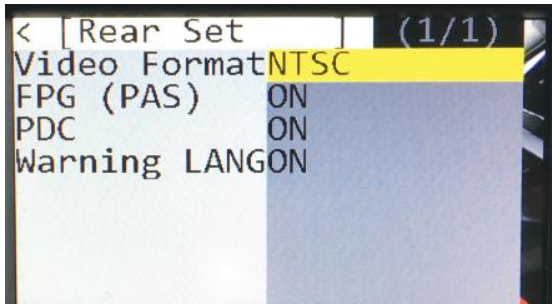




REAR AND FRONT CAMERA SETTING

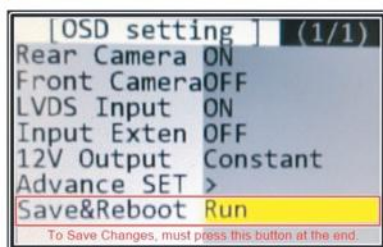
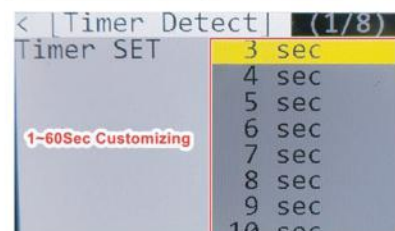
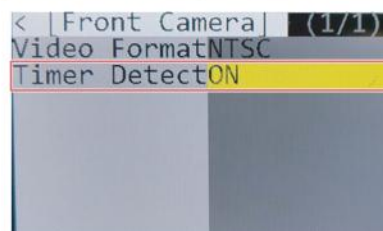
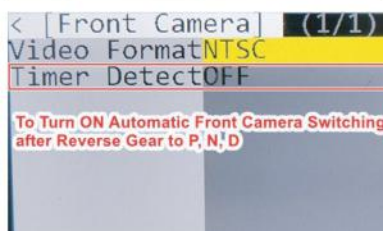
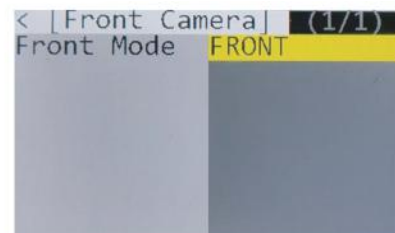
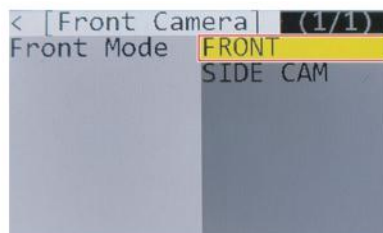


DYNAMIC PARKING GUIDE LINES



To turn ON the Dynamic Parking Guide Lines, go the Rear Input > Rear Set and turn ON Warning LANG. Go back to the root menu and Run Save&Reboot. Remember to unplug the OSD Control Pad otherwise the unit will not function properly. Set the parking brake on, start the car, put the gear in reverse, turn the steering wheel all the way to the left and all the way to right then put it in the center. The ACPGM-80N will calibrate automatically.

FRONT CAMERA SETTING



The front Camera will automatically show on the screen when the gear is put to Drive from Reverse. Set the delay time on the OSD menu. Delay time can be set from 1 to 60 seconds after a putting the car to drive from reverse.



OPERATION:



To enter Smart-Play mode, press the upper left corner of the screen or double click the HOME button.



Smart-Play home screen. Use the factory touch screen for Smart-Play controls.



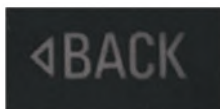
Apps can be opened by touch screen or by Siri control.

FORCE VIEWING THE FRONT CAMERA:

For MyLink IO5/IO6 radios:



Press for 2 seconds = Force view front camera
Press once = Back to OEM screen



Press for 2 seconds = Force view rear camera
(only if aftermarket camera is used)
Press once = Back to OEM screen

VEHICLE APPLICATIONS:

Compatible with 8" CUE or MyLink IO5/IO6 Systems.

Buick 2014-2018	LaCrosse	Chevrolet 2014-2018 2017-2018 2015-2018 2015-2018 2014-2018 2015-2018 2014-2018 2015-2018 2015-2018 2015-2018	Avalanche Colorado Corvette Cruze Impala Malibu Silverado Suburban Tahoe	GMC 2017-2018 2015-2018 2014-2018 2014-2018	Acadia Canyon Sierra Pickup Yukon
Cadillac 2013-2018 2014-2018 2014-2018 2014-2018 2015-2018 2013-2018 2013-2018 2016-2018	ATS CTS Coupe CTS CTS-V Escalade SRX XTS XT5				

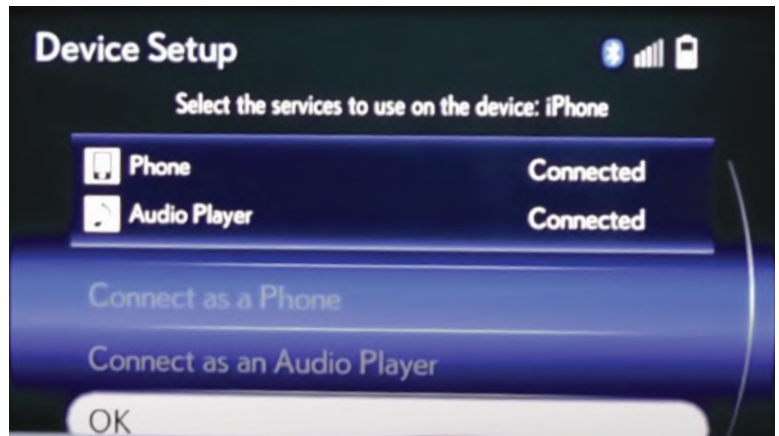
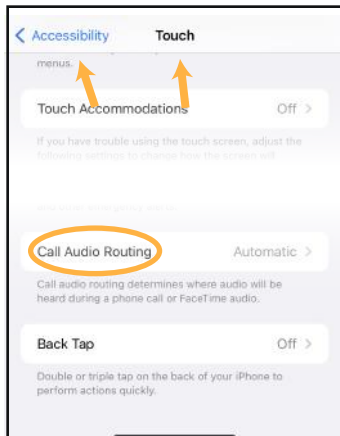


8" Screen



TROUBLESHOOTING

*If your call audio does not use car's bluetooth, manually change it on the phone to select the vehicle during the call, then the phone should remember the last used setting



Changing the call audio routing setting to "BLUETOOTH HEADSET"

Go to Settings - Accessibility - Touch - Call Audio Routing. Keep it at "Automatic"

1. IF the screen is black & not showing factory infotainment screen or the CarPlay/Android Auto Screen
 - Confirm secure connection of GVIF cables to the top monitor.
 - Confirm GVIF cables are not damaged, pinched, kinked or bent.
2. No trigger issue/No click heard when HOME button double clicked, or upper left screen corner tapped
 - Check and confirm proper connection of the Main Car Interface Harness, CAN bus board, and 30-pin Car Interface Harness.
 - Check and confirm no loose pins or damage to the harness. Green/RED LED Light should be visible from the Metal Box
3. When HOME button doubled clicked or upper left screen corner tapped, black screen appears
 - Confirm proper secure connection of the HDMI Cable.
 - Confirm power wire is connected on the CarPlay Box. Red LED light should be visible from the CarPlay Box.
4. Screen image glitching or distorted
 - Confirm correct dip switch setting.
5. Hands free call quality noise and echo
 - For iPhone, confirm the phone is connected to your vehicle via Bluetooth and "Call Audio Routing setting" Keep it at "Automatic"
 - For Android, confirm Bluetooth is being used for calls by observing phone's call audio output.
6. No sound
 - Confirm AUX cable connection, which is on the HDMI side of the CarPlay Box.
 - Confirm Car Media Source is in AUX mode. Confirm sound output from the phone to NV17W CarPlay.
7. Siri does not recognize my voice
 - Confirm Microphone jack connection (3.5mm), which is on the USB side of the CarPlay Box.
 - Confirm that there are no wire damage.

