

# NAV-TV

INTERFACING THE FUTURE

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## NNG-GM2

Navigation interface for GM vehicles  
equipped with LVDS MYLink/CUE

*NTV-KIT552*



*NTV-DOC216*



This installation manual is for **NNG-GM2** Navigation Add-on System.

**Due to the extended application list for this model, this manual only covers the installation and connection of the navigation system. Please refer to factory manual for dash and screen removal.**

**WARRANTY DISCLAIMER NOTICE!** Radio removal, disassembly, installation of Navigation Electronics, and Radio re-assembly / re-installation is the responsibility of the installer. It is recommended that you contact a professional installer that is experienced with proper work methods involving electronics and knowledgeable of specific procedures for radio disassembly, Navigation Electronics installation, and re-assembly / re-installation of the Radio Head Unit in the vehicle. **INSTALLATION DAMAGE TO THE VEHICLE RADIO HEAD UNIT IS EXPRESSLY NOT COVERED UNDER THE PRODUCT WARRANTY.**

To avoid dangerous distractions that may lead to an accident, the driver should never operate the system while the vehicle is in motion. Before installing the product, the seller should inform the end-user of proper use and compliance with the proper instructions and all states and federal laws.

Before beginning your installation, familiarize yourself with the installation instructions and the Navigation system components.

**CAUTION:** It is advisable to disconnect the negative battery cable for 3 minutes before beginning installation, to avoid unintended air bag deployment. Note and record any anti-theft radio codes prior to disconnecting.

**NNG-GM2 Application List (please contact us if you don't see your vehicle listed)**

2014 - 2015	Chevrolet	Silverado	8" touch screen
2014 - 2015	Chevrolet	Impala	8" touch screen
2015	Chevrolet	Tahoe	8" touch screen
2015	Chevrolet	Suburban	8" touch screen

2014-2015	GMC	Sierra	8" touch screen
2015	GMC	Yukon	8" touch screen

2014-2015	Buick	Regal	8" touch screen
2014-2015	Buick	Lacrosse	8" touch screen

**\*\* Vehicles above use #GM2Y-10P-01 main harness \*\***

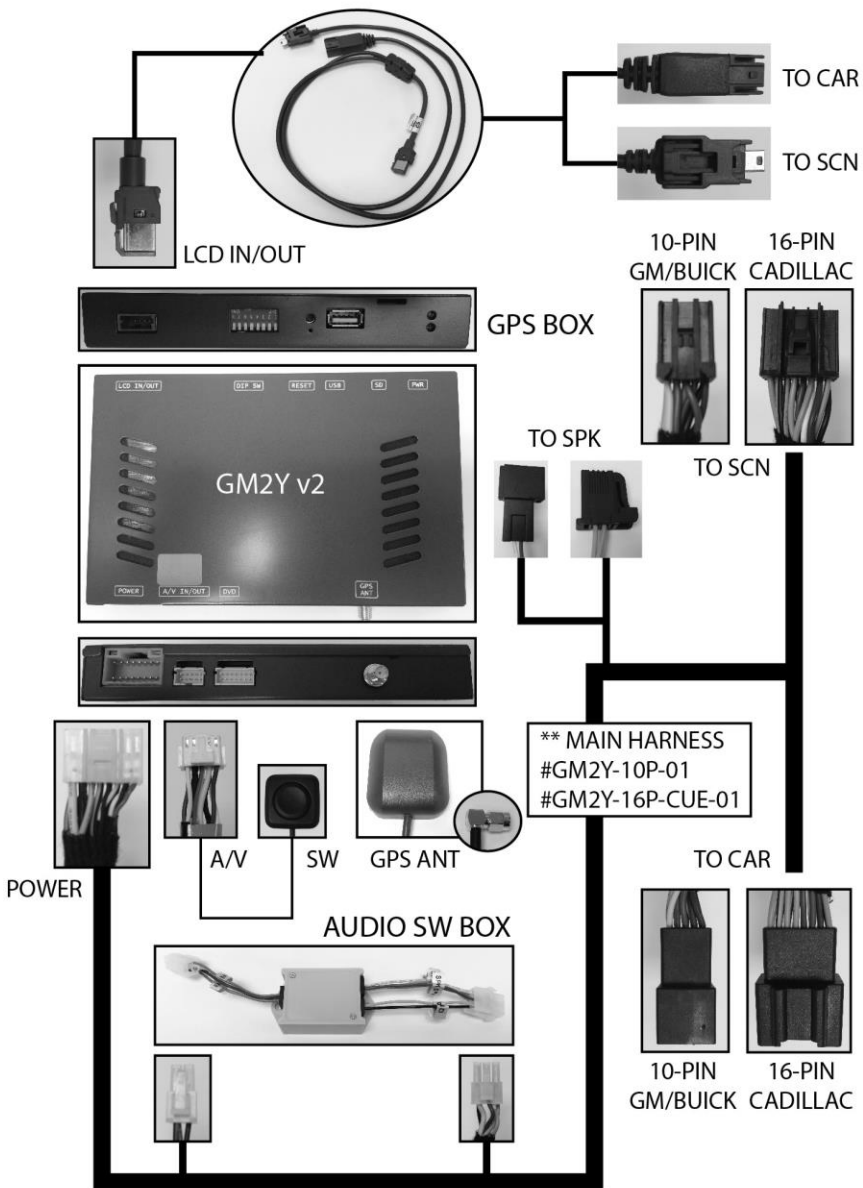
2013-2015	Cadillac	ATS / XTS	8" CUE system
		SRX / CTS	8" CUE system

**\*\* Cadillac vehicles above use #GM2Y-16P-CUE-01 main harness \*\***

2014-2015	Chevrolet	Corvette	
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**\*\* Corvette use Special Order main harness, please contact us for special order \*\***

**NNG-GM2 Component Connection Diagram**



**\*\* Please ensure the correct main harness prior to any installation \*\***

**\*\* Ensure correct main harness prior to any installation to avoid delay \*\***

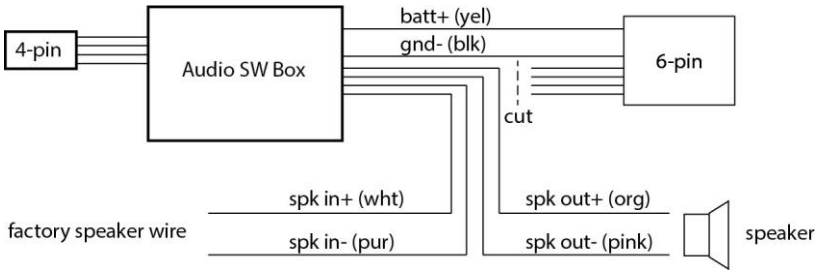
## **NNG-GM2 (LVDS MYLINK/CUE) 8" Navigation Installation**

### **NNG-GM2 Installation Steps**

1. Remove factory radio touch screen assembly from dash
2. Locate (1) video plug and (1) screen power / data plug
3. Plug in the LCD T-harness cable (blue) to factory screen and factory harness
4. Plug in the main Power / Data T-harness (10-pin or 16-pin) to factory screen and factory harness
5. Connect Audio Switch Box to Main Harness (2 connections)
6. Install GPS Antenna (best GPS antenna location is under passenger side A-pillar, on top of dash. Or under dash plastic cover towards the windshield)
7. Connect Power plug to GPS Box (POWER label)
8. Connect LCD (blue) cable to GPS Box (LCD IN / OUT label)
9. Connect A/V harness to GPS Box (A/V label)
10. Connect and install Switch to dash and to A/V harness
11. Connect GPS Antenna to GPS Box
12. Route and connect Speaker T-harness to dash speaker (GM vehicle mostly equipped with dash top speakers, either located at center or driver side of dash. If no dash top speaker is provided, please refer to diagram below for audio integration to factory driver door speaker)

### **Installation Remarks**

1. Addition wires are provided in the Main Harness for testing purpose only. Those wires include Audio Out (3.5mm), Rev Trigger (orange), ACC (red) and Camera Input (RCA). **DO NOT USE THESE WIRE FOR INSTALLATION.**
2. If there is no factory top dash speaker, please make following connection from Audio Switch Box as indicated.



### **Camera Setting**

#### **Setup Rear View Camera (DO NOT USE DIP SW#1 as camera option)**

By default, the rear view camera setting as retain OEM Camera.  
For add-on aftermarket camera, please follow the instruction below.

1. Turn off system
2. Set DIP SW #4 to ON (DOWN)
3. Turn on system
4. Go to Navigation Mode
5. Press and hold touch screen for 3 second
6. At the blue screen menu, press setup menu
7. Select Camera option (OEM/Add-on/No Camera)
8. If you need AUX-in, enable the AUX option, otherwise leave it OFF
9. Turn off system and restore DIP SW #4 to OFF (UP)
10. Turn on system

**Test system thoroughly before re-assemble of the radio and dash**

**Test reverse camera function**

**Test driver side speaker integration function (mute and voice from navigation software)**

## **Trouble Shooting**

Please follow all the steps in this installation manual, failure to do so might void the product warranty and damage the factory radio

### **Power**

GPS Module has (2) led lights as indicators when system is power on. Both led lights should lit with good power. If any of the light is dimmed, you should check for B+ and ACC power sources.

### **Display**

#### **No Display**

1. There are two led lights at the GPS module to indicate data and power. If led lights are OFF and radio is ON, check the power fuse inside the black box from the main harness
2. Check all wiring connectors for any loose connection
3. Check all wiring shielding for any damage during the installation process
4. Check all wiring for any type of damage
5. Check LCD video cable for loose, misalignment, or damage. Ensure the clip is securely fastened.

#### **No Touch Response**

1. Check both Radio mode and NAV mode for touch responses
2. Check led lights for power and data indications
3. Check 10-pin or 16-pin T-harness loose connection, or damage

#### **No GPS software loaded, touch screen alignment screen occurred**

Check map SD card at GPS module, see any sign of missing, loose, pop-out, misalignment, or damage

### **Sound**

1. Check all cable for connections to Audio Box for loose, or damage
2. Check software volume settings, ensure volume is not muted
3. Check connections at radio for loose, damaged wires