GM 8-inch Navigation Interface

Installation and user manual



Before installation, verify the vehicle, model year, factory system and product number.

Technical source: Shanghai Shenshun Industrial Co., Ltd.

The supplier states that validation used China-market vehicles. A shared platform or a different regional model name does not confirm fitment in another market.

Technical support | andy-lv@oadot.com

Adds handwriting navigation, reversing video and auxiliary video to the factory display. The factory touchscreen controls navigation. The source also describes automatic reversing-trajectory switching.

1. Safety precautions

- Use only in 12 V vehicles with negative ground.

- Installation must be carried out by a professional. Do not disassemble or relocate the installed unit without authorization.

- This product is not waterproof. Protect it from water and moisture.

- For a product-quality fault or damage, promptly return the unit to the designated repair provider or dealer.

2. Product features

- Navigation enabled by default: Windows CE maps, COM2, 9600 baud, 800 x 480.

- One reversing-video input. In the navigation module menu, select the factory camera, an added camera with trajectory and radar shown together, or a 360 camera controlled by a wired switching signal.

- Two auxiliary-video inputs, including the optional front input. Use the original HOME control to switch to video.

- The built-in navigation amplifier mixes prompts with factory audio. Prompts play separately without interrupting factory music. Secure the module to the screen assembly.

- Vehicle-specific plug-in connectors preserve the original wiring.

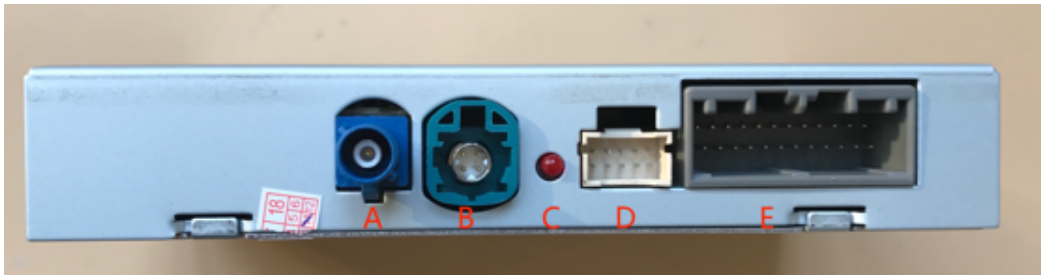
Source fitment: Cadillac XT5, Buick Envision, Buick LaCrosse (excluding the 1.5T), Chevrolet Malibu XL and Chevrolet Equinox, with the specified 8-inch screen. Match the original system and exact configuration.

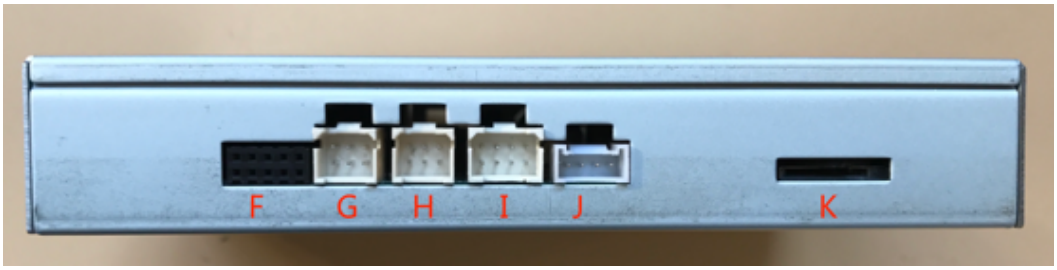
The source mentions enabling or disabling auxiliary video with DIP switches. It does not give a DIP switch number or position. Confirm the settings for the supplied module.

3. Technical specifications

Parameter	Value
Operating / control voltage	DC 8-18 V
Power	3 W
Operating / storage temperature	-10 to 70 °C / -20 to 85 °C
Inputs	One standard reversing-video input, one video input with recorder power, and one optional front-video input
Navigation requirements	COM2, 9600 baud, 800 x 480
Weight stated in source	530 g
External dimensions	230 x 160 x 50 mm

4. Module connectors and operation





Ref.	Connector
A	GPS antenna socket; parallel Wi-Fi lead on the Android version
B	Video LVDS signal socket
C	Power LED
D	10-pin audio adapter
E	24-pin power connector
F	10-pin hardware-update connector
G	Recorder connection (video and power)
H	Video input
I	Reserved front-video connection (video and power)
J	4-pin USB map-update connection
K	TF card slot (map card)

Operation

- Navigation is enabled by default. Hold HOME for three seconds to cycle through factory, navigation and video interfaces. Press HOME briefly to return to the factory interface.

- Connect the yellow RCA reversing input to the camera. In reverse, the added camera is selected automatically, with trajectory and radar overlay where supported. Power the camera from the reversing lamp; the interface does not require a separate reversing-lamp trigger. For 360 equipment, select the 360 camera in the navigation-module menu and use the interface reversing-control lead for switching.

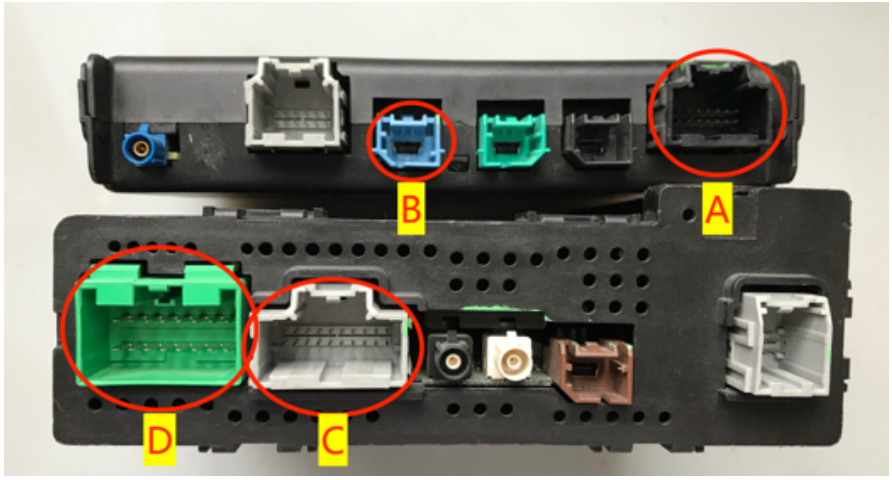
- Connect video to the six-pin video socket. Hold HOME for three seconds to select it. The harness provides ACC 12 V and power outputs for a recorder; insulate unused leads to avoid short circuits.

5. Installation and connection



Numbered kit photo for identifying components. Some original tags are covered or unreadable. This photo cannot be used to identify wiring. Use the connection reference below.

Connect in line with the original radio-module power, speaker and HMI (human-machine interface) connections using the matched adapter harnesses.



Factory connection reference; match connectors A, B, C and D to the actual vehicle.

- On vehicles with OnStar, fit the adapters at A, B and C. Plug the 10-pin connector on the main power harness into the socket beside the interface power connector. Select factory audio output in settings.

- On vehicles without OnStar, fit the adapters at A, B, C and D. Connect the 10-pin plug from the harness for green connector D to the interface. Select driver-side speaker output in settings.

6. Basic troubleshooting

If the following checks do not resolve the issue, contact OADOT or your dealer.

Symptom	Checks
No GPS signal	Check the GPS antenna connection. Position the antenna with a view of the sky, away from metallic window film.
Holding HOME does not switch	Check power-harness connections and check for damage to the internal cable.
Black screen in reverse	Check the camera connection and confirm that the camera is working.
Blue screen when switching	Check for a connected input with no video signal. Confirm that the video source is operating.

7. Kit contents

No.	Component	Part number
1	Integrated interface unit	907011401
2	LVDS cable	910010083
3	HMI power adapter harness	910010074
4	4-pin USB socket lead	910010051
5	6-pin video-input lead	910010033
6	GPS antenna with blue FAKRA connector	930010002
7	Map card (optional)	930010022

Part numbers are reproduced from the source kit list. The listed interface-unit number is 907011401 even though the product/kit number is 907041500; confirm the shipped hardware with OADOT.

Connect with technical support on WeChat

Scan with WeChat to add OADOT technical support.

For fitment questions, include the product number, vehicle model and year, market, factory system and installation photos.

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