Lexus GVIF 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, one reversing-video input and two auxiliary-video inputs. On the matching system, the factory touchscreen controls navigation and the interface switches automatically to the reversing view with trajectory display.

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.

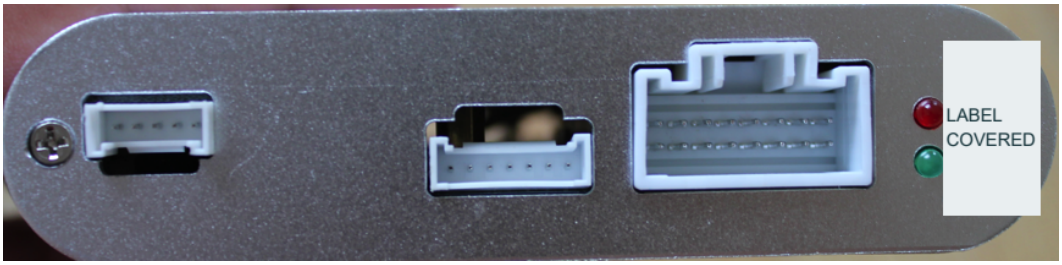
2. Product features

- Default navigation: Windows CE, COM2, 9600 baud, 800 x 480.
- One reversing-video input with wired switching.
- Two auxiliary-video inputs with factory touch switching. Enable or disable them with the DIP switches.
- Separate external speaker for navigation prompts.
- Vehicle-specific plug-in connectors preserve the original wiring.
- Source fitment covers screen-equipped 2014 Lexus CT, ES, IS and NX models. Confirm the market, screen and head unit.

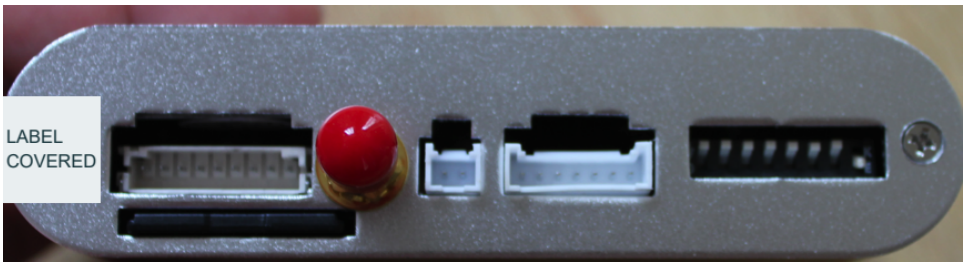
3. Technical specifications

Parameter	Value
Operating / control voltage	DC 8-18 V
Power	2 W
Operating / storage temperature	-10 to 70 °C / -20 to 85 °C
Inputs	One reversing-video input and two auxiliary-video inputs
Navigation / interface	COM2, 9600 baud, 800 x 480
Weight stated in source	865 g
Dimensions stated in source	Packaging: 280 x 210 x 80 mm

4. Module identification



Power side, left to right: GVIF signal socket, 7-pin touch socket, 16-pin power socket.



Opposite side, left to right: navigation-speaker socket with the map SD slot directly below it, GPS antenna connector, 2-pin switch socket, reserved 7-pin socket, DIP switches.

Position	1	2	3	4
UP / OFF	Added camera	NAVI on	AV1 on	AV2 on
DOWN / ON	Factory camera	NAVI off	AV1 off	AV2 off

The source table marks DIP 5-8 as NC in both positions. The source text describes them as vehicle-selection switches and gives no settings. Confirm these positions with OADOT.

Functions

- Hold MODE on the steering wheel to switch between the factory interface, navigation and video inputs.

- Connect the added camera to the white RCA input. Connect the white reversing-control lead to the reversing-lamp signal for automatic switching in reverse.

- DIP 1 UP selects the added camera. DOWN selects the factory camera. DIP 2, 3 and 4 UP enable navigation, AV1 and AV2 respectively. DOWN disables each function.

- The red and yellow RCA sockets are auxiliary-video inputs.

5. Installation and connection



Module and harnesses from the supplied kit.

- For the specified factory 8-inch screen, replace its glass with the matched touch panel. Secure the touch-adapter board to the screen housing.

- The kit list also identifies a 7-inch panel for some vehicles. The source gives installation steps for the 8-inch screen only. Confirm the 7-inch procedure with OADOT before installation.

- Connect the screen power and signal adapters. Connect the other power-harness plug to the matching steering-wheel-button socket behind the head unit.

- Connect the 7-pin end of the 7-to-4-pin touch lead to the power-side touch socket and the 4-pin end to the matching socket on the touch-adapter board.

- Connect the speaker to the 9-pin speaker lead and place it behind the display. Route the USB lead to the front-passenger glovebox for future map updates.

6. Operation

- Hold steering-wheel MODE to cycle through the factory, navigation and video input pictures.

- Use the touchscreen while the navigation image is displayed. See the navigation manual for details.

- Selecting reverse automatically displays the reversing picture.

- Disable unused video channels with the DIP switches to prevent a no-signal blue screen.

7. Basic troubleshooting

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

Symptom	Checks
No GPS signal	Check the GPS antenna connection and its view of the sky. Avoid metallic-film obstruction.
Black screen in reverse	Check that the reversing-video lead is connected to the camera and that the camera works.
Blue screen on switching	Check whether the input lead is connected but no video signal is present. Verify the video source.

8. Kit contents

Component	Quantity
Main unit	1
Power adapter harness	1
LVDS input/output lead	1
Touch lead	1
Touch FPC socket lead	1
GPS antenna with threaded connector	1
Speaker lead	1
Speaker	1
Resistive touch panel (7- or 8-inch, depending on vehicle)	1

Specifications are subject to change without notice.

Add technical support on WeChat

Email technical support at andy-lv@oadot.com.