

Ford SYNC3

Rear Camera interface

54P plug&play



Art. 300 375

Compatible with:

- SYNC3 systems **with OEM Ford NAVI** (normal screen and tablet screen).
Check the car system before connecting the OBD adapter!



Attention:

If the OBD adapter has been used in a vehicle, then it's programmed on that vehicle and cannot be reused in another car.

Also, the product cannot be returned once the OBD cable has been unpacked. Check the system and navi unit (54p harness is required) before unpacking.

Tip: if the navi unit is not directly visible near the display, follow the LVDS video cable from the display, which will end at the navi module.

Installation:

Setting the Dip-switches of the Can-Box TV-500-A

Function	Dip 1	Dip 2	Dip 3	Dip 4	Dip 5	Dip 6
Video-in-motion permanent	ON	ON	OFF	OFF	ON	ON
Video-in-motion permanent and forced RVC option activate	ON	ON	OFF	ON	ON	ON

Note: Dip switch functions of the TV-500-A

Dip 1 – activation video in motion

Dip 2 – Rear-View Camera Enable

Dip 3 – no function

Dip 4 – Forced RVC Option (connect GREEN wire to +12V)

Dip 5 – CAN-bus termination resistor on the head-unit side

Dip 6 – CAN-bus termination resistor on the vehicle side

1. locate the navi module and connect the interface 54-Pin harness between the factory harness and the navi unit.
2. Connect the rear CAM video RCA to the RVC input of the interface.
3. Use the optional WHITE wire labeled “Reverse Output 12V” to power the rear camera*.

*On some vehicles the white wire has no function. If white wire stays 0V when gear is in reverse, then connect the power of the camera to 12V ACC (fuse box or cigarette plug) and isolate the white wire.

Notes:

- After disconnecting the factory 54-pin radio harness, it may takes up to 2 minutes for the radio to perform self diagnostic and reboot.
- After the reverse gear is disengaged, the WHITE wire will be energized for 11 seconds meaning the reverse camera will stay on for 11 seconds.

Camera coding

1. Locate the OBD2 port, typically under the steering wheel column
2. Turn the key to the ON position (do not start the engine). Turn off head lights
3. Turn on radio and wait until it is in its normal operation
4. Plug the OBD2 Coder into the OBD2 port
5. Wait until you see a solid GREEN LED then remove the OBD2 coder from the OBD2 port
6. Turn the key to the OFF position, remove key, open driver door then close it
7. Open the driver door, start engine and put the gear in REVERSE. If a camera is connected, you will see the camera image on the radio screen. If no camera is connected, within 20 seconds of putting the gear in reverse, the radio screen will switch to a blue screen with the message "Service Rear Vision System. This means that the RVC was coded successfully
8. There is an option to remove the RVC coding. To do this, repeat steps 2 to 5 and put the gear in reverse to verify that the coding has been removed

To reverse the coding repeat steps 1.-8.

After the first use on a vehicle, the coder OBD-501-R is personalized to this vehicle and can be used unlimited times to code or reverse coding on this vehicle.

LED information:

LED	Status	Explication
Green	Lights	Coding procedure successfully completed
	Flashes	Coding process is running
Red	Lights	Remove coding procedure successfully completed
	Flashes	Coding process failed / license violation
Green + Red	Lights	CAN Communication Error! - Abort of the diagnostic session