

NAV-TV

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KT1 FORD 4" UNI-CAM

Dual Camera Integration kit for Ford 4" screens

NTV-KIT723



Overview

The KT1 FORD 4" UNI-CAM kit interfaces an aftermarket rear camera into Ford vehicles equipped with the OEM 4" media screen. No dealership programming is required and this kit is fully Plug & Play behind the factory media screen.

Note: before installing this module, VERIFY 75 ohms exists across pins 6 & 12 with a multimeter at the 4" screen connector.

Kit Contents

Optional Reverse Cameras



F-Series/Flex CAM



CAM 6



Transit-CAM
included in
NTV-KIT623



KT1 4" UNI-CAM Module
NTV-ASY242



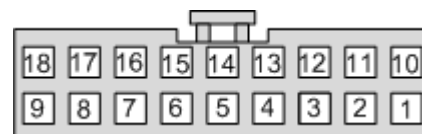
USB Cable
NTV-CAB009



Plug & Play T-Harness
NTV-HAR271

Ford 4" UNI-CAM pin out

PIN #	Description	Color
1	12v (+) constant input	Yellow
2	Input 1: Force RVC	Red
3	Input 2: Force FVC/AUX VID	Blue
4	Input 3: --Not Used--	Pink
6	VIDEO OUT RCA	Yellow
7	RCA Shield	Black
8	CAN HI (Radio Side)	White/Green
9	CAN HI (Car Side)	White/Brown
10	Ground (-)	Black
11	Output 1: ACC (+)	White/Red
12	Output 2: Reverse (+)	White/Blue
13	Output 3: Front CAM power	White/Purple
15	Front RCA Video IN	White
16	Rear RCA Video IN	Red
17	CAN LO (Radio Side)	Green
18	CAN LO (Car Side)	Brown



Wire side

Any additional wires not mentioned here are not used for this install.

Module Installation

1. Remove the 4" media screen from the dashboard, above the CD player.
2. Connect the provided **Plug & Play T-Harness** to the OEM ford 12-pin plug previously connected to the radio.
3. After installing and running your reverse camera to the dash opening, connect your RVC signal to the **Yellow** RCA found on the **Plug & Play T-Harness**. **Power your camera with an ACC source (OUTPUT 1 provides 12v ACC @ 1 amp MAX).**
4. Connect the UNI-CAM module to the 18-pin harness on the Plug & Play T-Harness.
5. Connect the male end of the Plug & Play T-Harness to the screen and proceed to the next section.



Ford 4" UNI-CAM Programming & Testing

Programming for the 4" UNI-CAM is automatic. After all connections are properly made and the module is connected, turn the car on to **IGNITION**, wait for the radio to fully boot and settle before testing functionality.

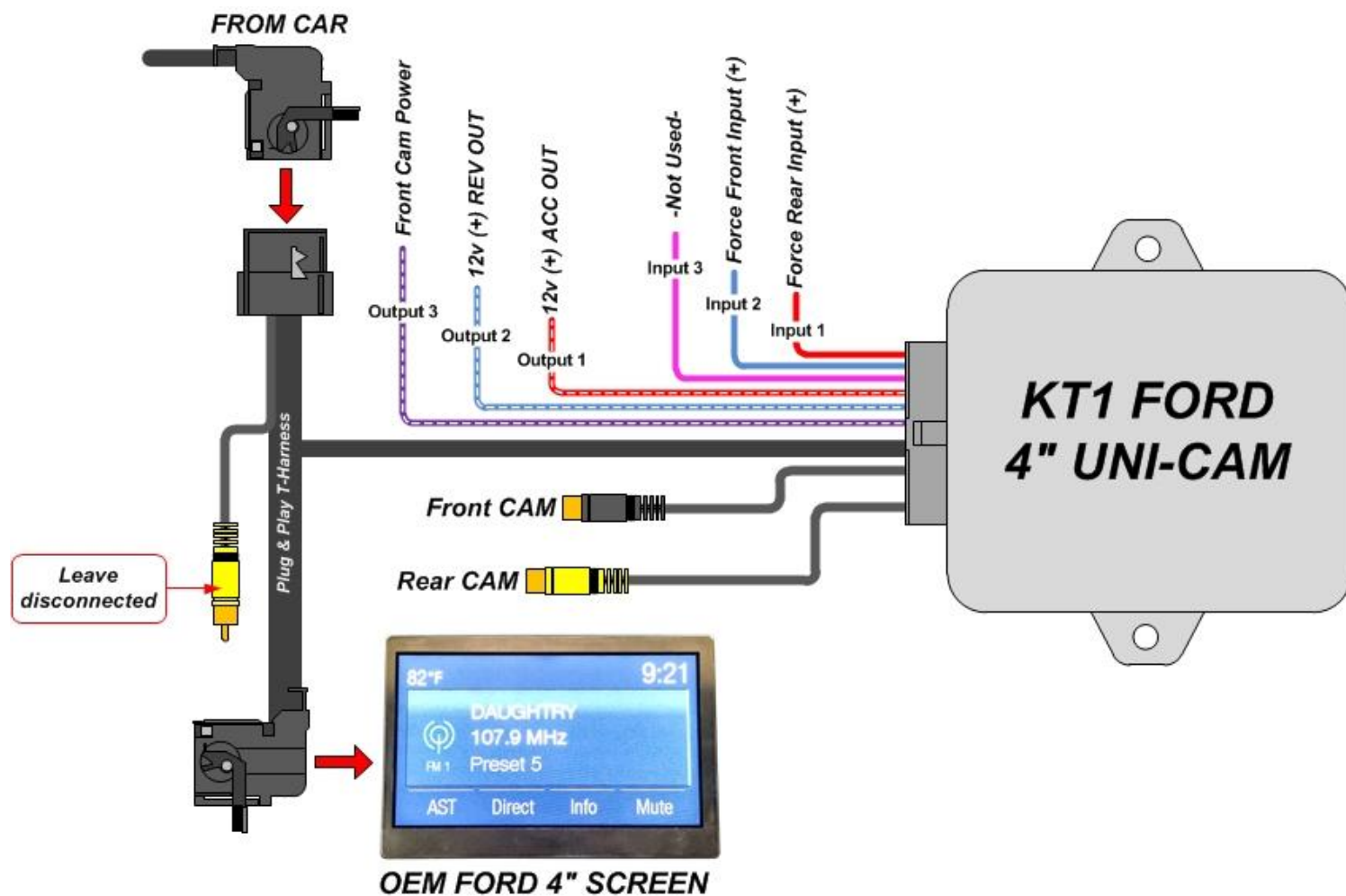
NOTES:

- The radio **may or may not** visually reboot with a 'Diagnosis' message. It may appear that the radio just boots slowly (only the first time, in which case it took programming before the display appeared).
- Place the car into reverse, the screen should automatically display the connected reverse image (or a warning screen if you have no camera connected).
- **This module VIN-LOCKS to the vehicle it is connected to and cannot be used on any other vehicle once installed.**
- **This module will NOT de-program rear camera, once this modification is made to the system, it will remain forever!**

Ford 4" UNI-CAM Operation

- After all connections are made and programming is complete, placing the vehicle in reverse will automatically display the connected rear camera's image.
- If **forced rear camera** is desired, connect **input 1** (red) to 12v (+) **through a toggle** (not included) and the rear image will show whenever activated.
- If a front camera was added, **force this camera** by connecting **input 2** (blue) to 12v (+) **through a toggle** (not included).

Installation Diagram



NOTES:

- Any wires not shown here are not needed for this installation.
- Not all wires shown here will be used for every installation.

The reverse image will have rounded edges and the OEM radio screen showing behind the reverse image is OEM Ford operation and is normal.

Some vehicles may retain the reverse image while in drive until ~5 mph, this is also normal Ford operation.

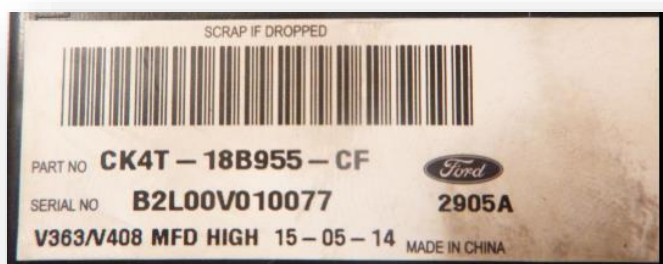


Ford 4" Screen Compatibility list

Due to the large variety of different 4" screen part numbers, it is strongly advised to verify the screen compatibility by removing the screen and measuring a 75 ohm termination across pins 6 and 12. NAV-TV cannot assure compatibility unless this step has been taken.

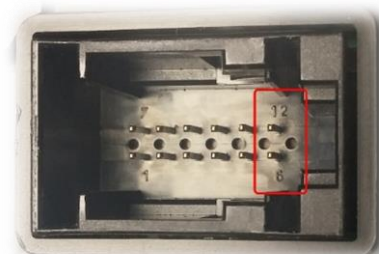
Incompatible Display PART #'s		
EM5T-18B955-CB	CM5T-18B99-AD	CJ5T-18B955-GF
EM5T-18B955-CA	CM5T-18B955-GF	CJ5T-18B955-GE
EJ5T-18B955-GB	CM5T-18B955-CE	CJ5T-18B955-GC
DM5T-18B955-CD	CM5T-18B955-AD	CE8T-18B955-AD
DA6T-18B955-BE	CM5T-18B955-AB	CE8T-18B955-AA
D2BT-18B955-BE		BB5T-19C116-CJ

Compatible Display PART #'s				
FG1T-18B955-CA	EJ5T-18B955-GA	DT4T-19C116-GB	DL3T-18B955-CC	CM5T-18B955-GB
FB5T-19C116-GA	EJ5T-18B955-CC	DT4T-19C116-CD	DG1T-18B955-CD	CM5T-18B955-CF
FB5T-19C116-CA	EG1T-18B955-CD	DT4T-19C116-CC	DB5T-19C116-GB	CK4T-18B955-CD
ET4T-19C116-GG	EG1T-18B955-CA	DT4T-19C116-CB	DB5T-19C116-GA	CK4T-18B955-CF
ET4T-18B955-CC	EB5T-19C116-CD	DT4T-19C116-CA	DB5T-19C116-CBT	CB5T-19C116-GD
ES7T-18B955-CB	EB5T-19C116-CA	DS7T-18B955-CF	DB5T-19C116-CA	CB5T-19C116-GC
ES7T-18B955-CA	EB5T-18B955-GC	DS7T-18B955-CE	DA8T-18B955-CF	CB5T-19C116-CD
EM5T-18B955-JB	EB5T-18B955-GA	DL3T-18B955-CG	DA8T-18B955-CD	CB5T-19C116-CC
EM5T-18B955-CE	EA8T-18B955-CB	DL3T-18B955-CF	CM5T-18B99-GG	BT4T-19C116-CP
EL3T-18B955-CE	DT4T-19C116-GD	DL3T-18B955-CD	CM5T-18B955-GE	BB5T-19C116-CK
			CM5T-18B955-GD	BT4T-19C116-CN




Find the PART number on the back of the main 4" media screen.

Verify 75ohms on pins 6 & 12 on the back of the main 4" media screen.

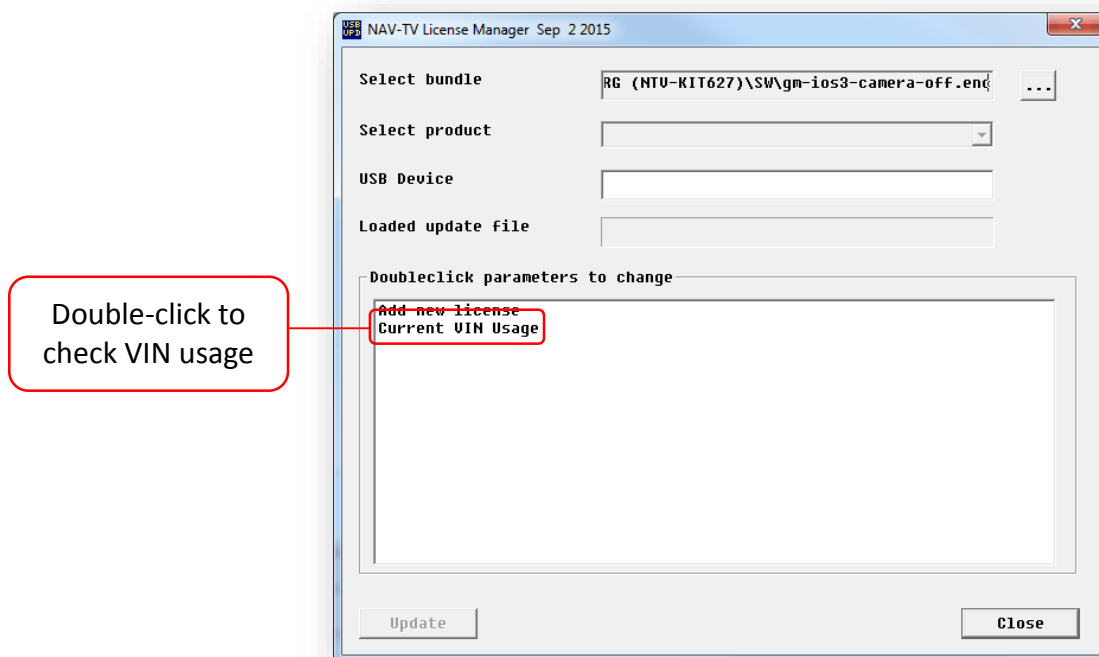


KT1 FORD 4" UNI-CAM USB Updater/Additional Licenses

- To verify that this module has been installed previously, you may download the NAV-TV License USB-Updater to check stored VIN's used previously, if any. The downloadable ZIP file is located on the NAV-TV website on the KT1 FORD 4" UNI-CAM product page: <https://navtv.com/products/NTV-KIT723/kt1-ford-4-uni-cam.html>

Click on the  button at the bottom to download the zipped folder.

- The KT1 FORD 4" UNI-CAM line features an option for NAV-TV dealers to purchase licenses instead of multiple pieces of hardware, reducing overhead costs. **Contact NAV-TV** (561-955-9770) for more information regarding purchasing one single programmer, allocated for use in 10, 20 or more vehicles. Additional licenses may also be sent via email.



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Agreement: End user agrees to use this product in compliance with all State and Federal laws. NAV-TV Corp. would not be held liable for misuse of its product. If you do not agree, please discontinue use immediately and return product to place of purchase. This product is intended for off-road use and passenger entertainment only.