

# Ford Ranger/Everest Camera Integration Installation Guide

1469



## Contents

Kit Contents	2
Interaction Connection Ports	2
Required Tools for Installation	2
Interface Dip Switch Settings	2
Camera Installation Scenarios	3
Wiring Information	4
Installation Process	4
Step 1 - Dash Removal	4
Step 2 -Multimedia Interface Installation	5
Step 3 - Test and Check	5
Mode Change and Operation	6
Interface Menu Settings	7
PARK Menu	8
Trouble Shooting & FAQs	9
Handle Button (Activation Button)	9

## **PLEASE READ BEFORE BEGINNING INSTALLATION**

### Installation Terms & Conditions

- All labels on the product including software versions and serial numbers must not be covered, damaged or removed. This may void the warranty on the product.
- Ensure that all left over accessories, including remote controls and cables, are kept for future use. If replacements are required in the future they will not be provided free of charge.
- Please ensure the installation of this product will not interfere with any factory safety equipment (e.g. Airbags).
- If working with Airbags, be sure to disconnect the vehicle Battery before beginning work. This product and the following instructions are designed for installation by a qualified 12v installer, car audio installer or auto electrician.
- Interfaces and Navigation modules must not be installed in a location where they will be exposed to extreme temperatures including, but not limited to, installation on top of a vehicles radio, transmission tunnel or firewall. Damaged caused by exposure to heat is not covered under warranty.

### Overview

This is a completely plug and play system and has been designed for the following vehicles and features:

**2022 - Current Ford Ranger and Everest with the Sync 4A 12 Inch Screen. This system allows for the addition of up to four (4) cameras to the factory screen**

### Important Product Information

- *This product comes with a 2 year warranty against manufacturer related defects. Please read the included warranty card and register the device on the Advanced ICE Pty Ltd website.*
- *This installation manual covers a range of products and vehicles.*

## Required Tools for Installation

- Dash and Trim Removal tools
- 7mm Socket Set
- Dash Protection Tape (Recommended)
- Picking Tool

## Kit Contents



Interface



Mounting Bracket  
(6 x screws included)



LVDS Cable



LVDS Extension  
Cable



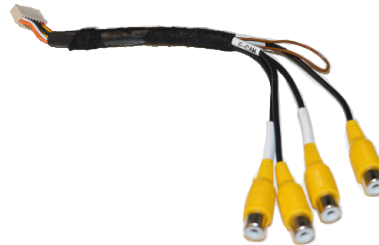
Remote



Infrared Eye (For Remote)



Power & CAN T  
Harness



Video Input Harness



Mode Switch



WA7058  
- RCA Y Adapter

## Interaction Connection Ports

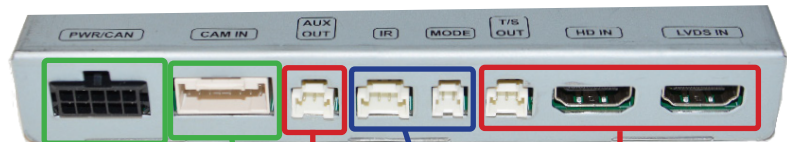


LVDS  
Extension  
Cable

LVDS  
Cable  
90 Degree

Programming  
Ports  
Not Used

Dipswitches  
(see page 2)



Connect  
Power/CAN  
T Harness

Not Used  
Camera  
AV Cable  
Connection

Not Used  
May be required  
for product Setup  
(see page 6)

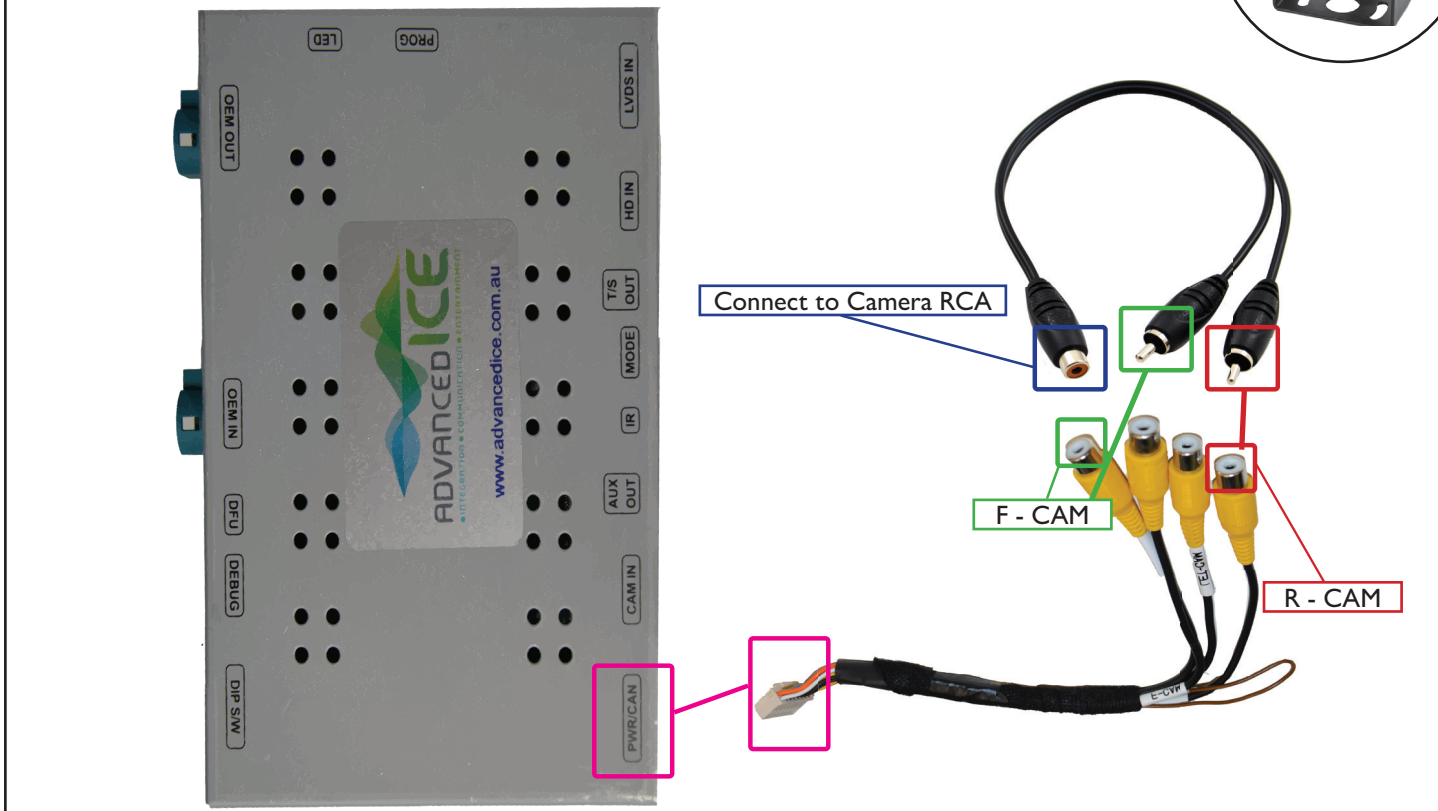
Not Used

## Interface Dip Switch Settings

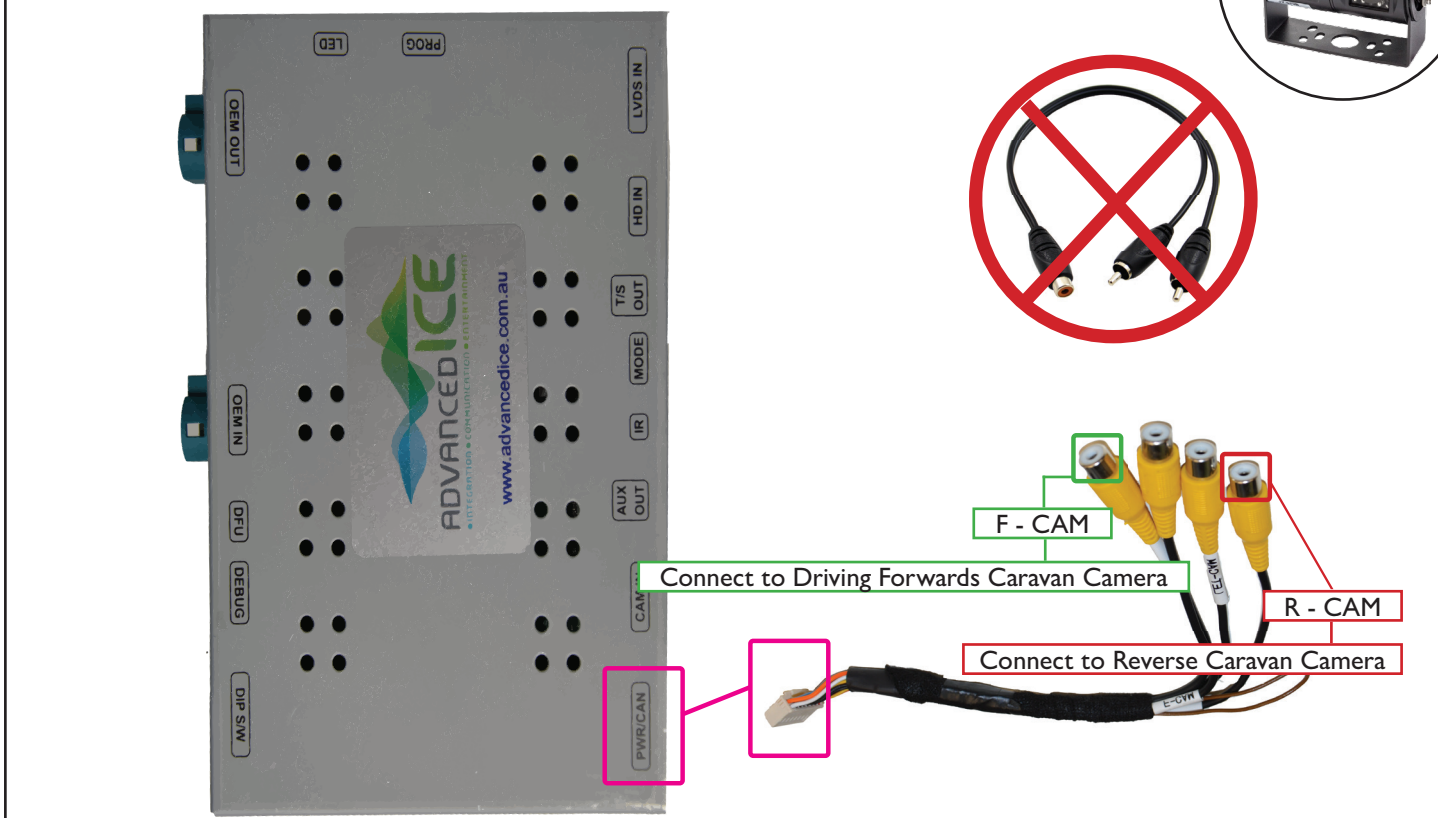
**Please Note:** You must remove power to the unit prior to making adjustments to the dipswitches. When power is reconnected after the dip switch adjustment, the new settings will be stored into memory.

Dip SW:	1	2	3	4	5	6	7	8	9	10
UP/OFF	-	-	OFF	-	OFF	OFF	-	OFF	-	OFF
ON/DOWN	ON	ON	-	ON	-	-	ON	-	ON	-







SINGLE CAMERA INSTALLATION



DUAL CAMERA INSTALLATION



## Wiring Information

	Description	Used For
	ACC Power Wire	This wire can be used to power up your cameras
	Video Input (F CAM)	Connect Camera video signal for cameras that can be viewed when driving
	Video Input (R CAM)	Connect Camera video signal for cameras that can be viewed when in reverse using RTC (see user manual)
	Video Input (LET CAM)	Second or Left Camera video input that can be viewed when driving
	Video Input (RGT CAM)	Third or Right Camera video input that can be viewed when driving
	Highbeam Output	This is a CAN-Bus generated Highbeam output for use when installing Spot Lights or Light Bars

## Installation Process

### **PLEASE READ BEFORE CONTINUING**

We strongly recommend taking appropriate steps (i.e. Masking Tape) to protect the factory screen, dash, steering wheel and console. We also recommend covering the upholstery on the front seats.

### Step 1 - Dash Removal

- Scan or click on the QR Code to watch the video on how to perform the dash removal in order to prepare for the installation.



***This video is a guide only and does not represent the exact process on all Ranger & Everest Year/Model Variants.***

## Step 2 -Multimedia Interface Installation

- Scan or click on the QR Code to watch the video on how to prepare the product for installation and how to connect it to the vehicle.



***Please watch the entire video before beginning the installation.  
If you are not comfortable with the technical nature of this installation,  
we recommend taking it to a 12 volt professional to perform the installation for you.***

## Step 3 - Test and Check

- Scan or click on the QR Code to watch the video on how to prepare the product for installation and how to connect it to the vehicle.
- Before putting the vehicle back together we recommend making the following checks to make sure everything is operating correctly
  - ❑ Check the factory system is powering on and working correctly
  - ❑ Check the Reverse Camera is working
  - ❑ Activate the Caravan Camera in Drive or Park (*See Mode Change Instructions*)
  - ❑ Check RTC Function is Working in Reverse (*See Mode Change Instructions*)
- When putting the Dash back together, remember to reconnect all disconnected plugs and make a test phone call to ensure everything is functioning correctly
  - ❑ Ambient Light (if installed)
  - ❑ 2 x USB Hub
  - ❑ Wireless Charging Pad (if installed)



### When Driving



Long Press the OK button which is the systems Default Activation button to turn on the Camera Source. If additional camera inputs have been activated, then additional long press of this button will cycle through the camera inputs.

### In Reverse



Long Press the OK button to switch from the vehicles factory reverse camera to the Camera input of our interface.



Short Press the OK button to return to the factory screen and switch off the camera source. (See Interface Menu Settings)



If the camera system stops responding a Longer 5 second Press of the Menu Button (Red) will reset the camera system.

**Scan or Click on the QR Code to see how the system operates**





### Climate Adjustments



When the Camera source is activated and one of the highlighted climate control functions are adjusted, the system will automatically switch back to display the adjustment. After 5 seconds from the last adjustment made, the system will automatically switch back to the camera source.

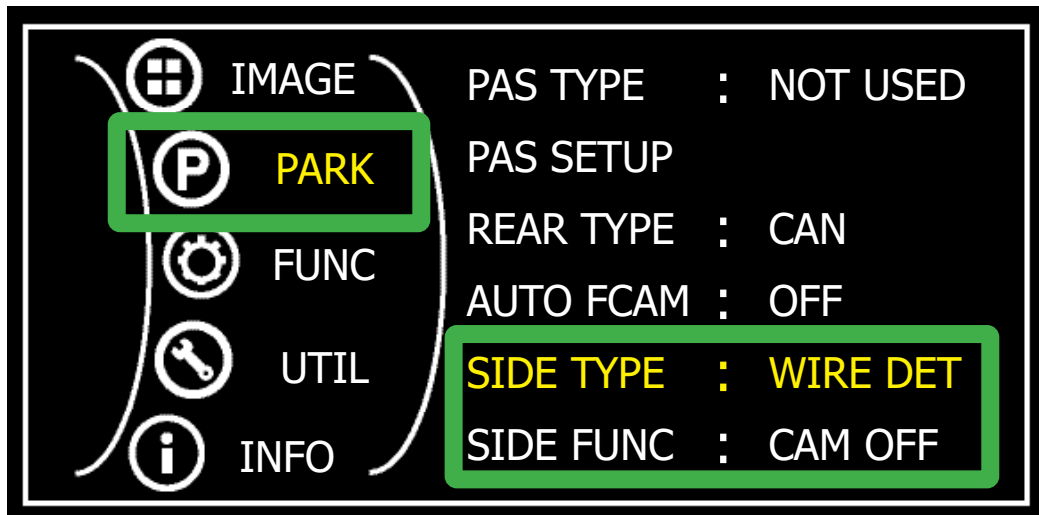
### Interface Menu Settings

In order to access the menu's of our interface you will need to connect the Infrared Eye to the interface and use the remote control.

1. Activate the camera interface so it is on the camera input  
(a camera does not need to be reconnected)
2. Point the Remote at the Infrared Eye and Long Press the Red Arrow Button to access the menus
3. Use the Arrow Buttons on the Remote to navigate the menus and the OK Button to confirm a change.



***Do not make any other changes other than the ones listed below.***



In the Park Menu the following changes can be made

1. Side Type

Change this from WIRE DET to CAN -DET to enable the Left and/or Right Camera inputs to be activated with the cars Indicator.

Please note:

- Left and/or Right Camera's need to be activated for this to function - see *next step*
- **RTC (Camera in Reverse) function needs to be activated before the camera's will turn on with the indicators.**

2. Side Function

This menu allows you to activate additional camera inputs

- CAM OFF - Default

One Camera input activated - This camera is always activated

- CAM2 (R)

This adds a second camera input visible when driving forwards and allows the right camera to be turned on by indicator

- CAM3 (L)

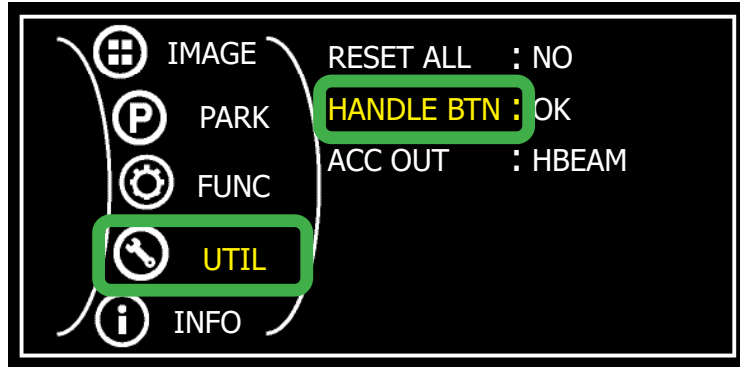
This activates a second camera input and allows the left camera to be turned on by indicator

- CAM ALL

This activates all three camera inputs and allows the left and right camera to be turned on by the indicators



## Handle Button (Activation Button)



Under the UTIL menu you can change the button on the steering wheel that is used to activate the camera source. The options include the following:

1. OK - Default
2. PHONE - Phone button\*
3. BACK - Return button

***If the Phone button is selected as the activation button, then please note that if you are on a phone call it will be ended if you long press the Phone button to activate the camera.***

## Trouble Shooting & FAQs

**Q** - After Installation the factory screen is blank and has not image.

**A** - Check the following:

- Ensure the LVDS Connections are correct as per the image.
- Ensure the dipswitches are set correctly

