POLARIS™

Ford Ranger

In-Dash GPS/ Rear Vision

FR-1516

USER GUIDE

Warranty

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Thank you for purchasing the Polaris FR-1516 in-dash unit.
Before operation, be sure to thoroughly read these instructions.
Keep these instructions with your vehicle records for future reference.

Warranty for this product is 3 years from date of purchase, however warranty will be void if:

- The unit is tampered with, damaged or modified in anyway.
- Reverse camera cable is cut or modified in any way
- Reverse camera is subjected to over voltage
- The Navigation SD card is damaged or tampered with in any way (this includes installing foreign mapping or software onto the SD card)

Warranty Terms

The FR-1516 is covered for 3 years and includes:

- Defective Equipment • Defective Cables

Not Covered under warranty:

- Abuse • Improper installation
- Alteration to cables (this includes cutting of any cables) • Remote control batteries
- Accidents • Water damage • Improper use • Labour

If you have any questions concerning the installation, warranty or the operation of the unit, please contact **Polaris** on **1300 555 514.**
We hope that you enjoy the Polaris FR-1516 in-dash unit.

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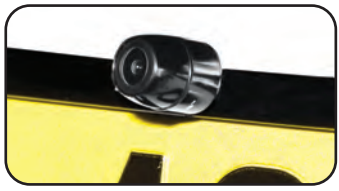
About the unit

The FR-1516 unit is the perfect upgrade for the 2015 – current Ford Ranger. The unit will sit neatly in the console located on top of the dashboard and will work independently from your existing CD/radio.

The unit picks up power from your current CD/radio system and it has its own speakers built in for the street navigation voice.
A detailed installation manual is available to download from **www.fordrangergps.com.au**

STANDARD FEATURES

Street Navigation



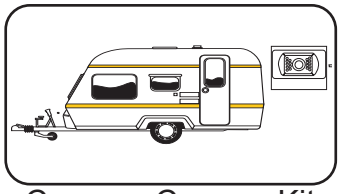
Rear Camera

Forward Facing Camera

OPTIONAL EXTRAS

Off Road Maps

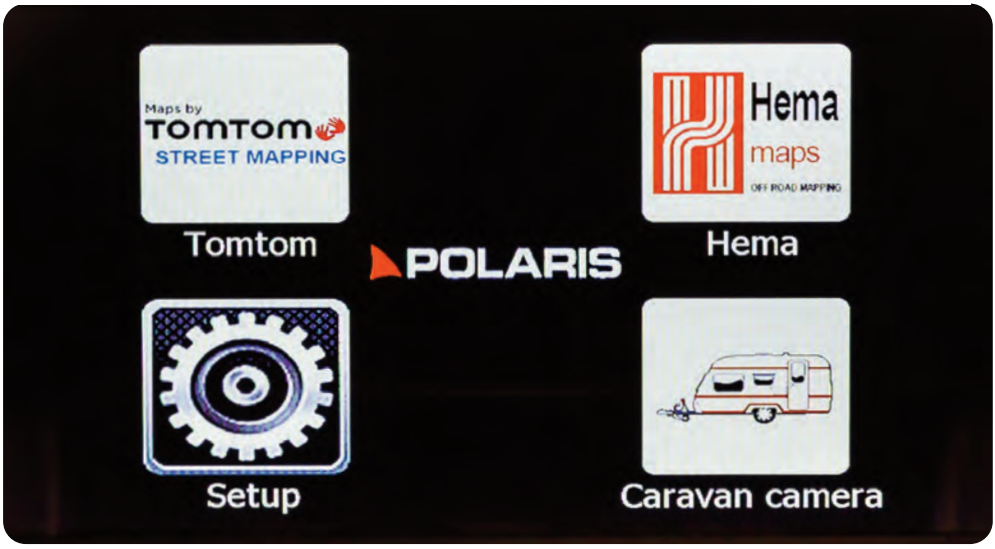
$295



Caravan Camera Kit

$295

Main Menu



Tomtom

Press this icon to enter the street navigation.
For a detailed user guide, please download the street navigation manual direct from www.fordrangergps.com.au

Hema

Press this icon to enter the off road mapping (optional feature).
For a detailed user guide, please download the Oziexplorer manual direct from www.fordrangergps.com.au

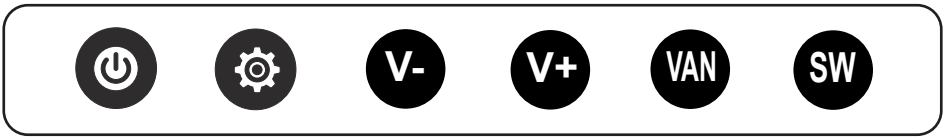
Setup

Press this icon to enter into the settings menu

Caravan Camera

Press this icon to view the caravan / trailer reverse camera at any time.

Button Panel



Power – press this button to power unit on and off

Settings – Press this button to toggle between brightness, contrast and colour

- Brightness
- Contrast
- Colour

V- – Press this button to adjust volume down and adjust brightness, contrast, and colour down

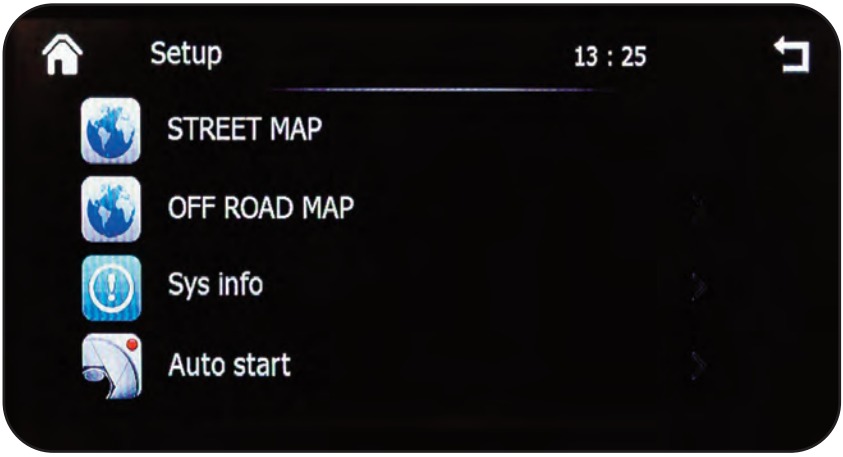
V+ – Press this button to adjust volume up and adjust brightness, contrast and colour up

Van – Press this button to turn the caravan / trailer camera on/off

SW – Press this button to turn the forward vision camera on/off

Note: Forward vision camera will not display when the vehicle is in reverse gear, if you press this button whilst the vehicle is in reverse gear, the caravan/trailer camera will display on the screen.

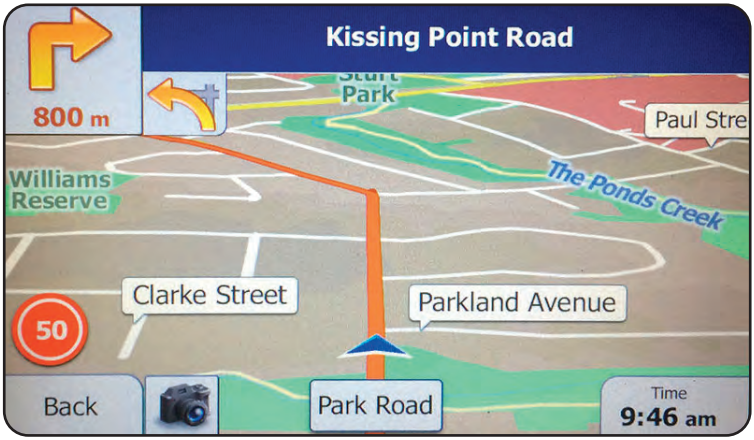
Setup



- STREET MAP — Enter this feature to change the NAV Path File for Street Mapping
- OFF ROAD MAP — Enter this feature to change the NAV Path File for off-road mapping
- Sys info — Enter this feature to view technical information about the system's software
- Auto start — Enter this feature to set one of the navigation programs to automatically open on start-up.

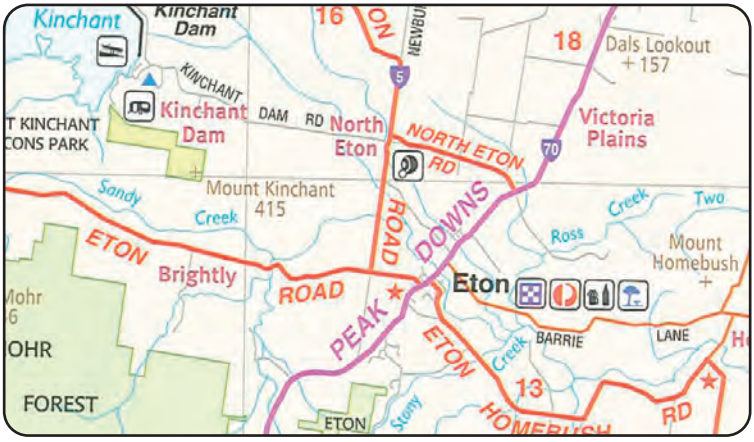
Navigation

Street Navigation



For a detailed user guide, please download the manual from www.fordrangergps.com.au

Off Road Navigation (optional)



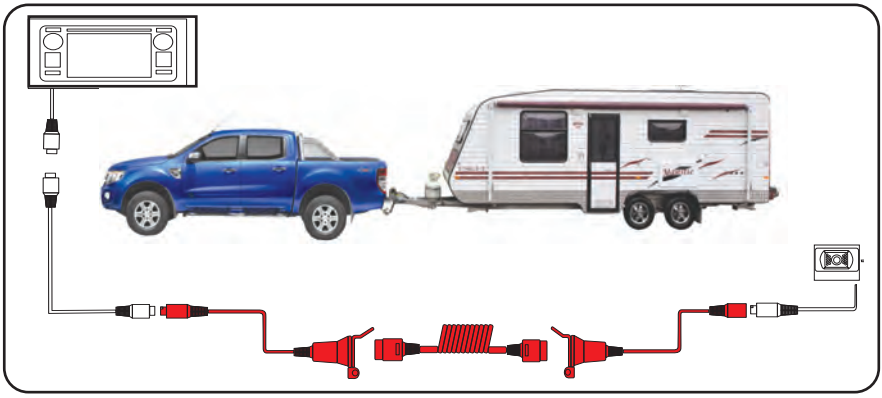
For a detailed user guide, please download the manual from www.fordrangergps.com.au

Reverse Camera Functionality

REVERSE CAMERA will display on screen when reverse gear is engaged.

Note: If you have switched to the caravan /trailer camera whilst in reverse, the unit will remember this setting.

Caravan / Trailer Rear Camera (optional)



There are two ways to access the Caravan/Trailer Camera

- via Main Menu
  Caravan Camera
- Pressing the VAN button located on the unit.

Forward Vision Camera Functionality

- AFTER REVERSE GEAR has been disengaged and drive gear is activated, the forward vision camera will display on the screen for 15 seconds.
  If you wish to turn the image off - press the SW button.

- To access the forward vision camera at any time, press the SW button.

- PLEASE NOTE: The SW button will not activate the forward vision camera when the vehicle is in reverse.

Technical Specifications

General Information	
Monitor:	Large 7.0" Touch Screen (Resolution: 800x480)
Operating system:	Windows CE 6.0
Power supply:	DC12V
Video form:	PAL/NTSC
OSD Language:	English
Warranty:	3 years
Multi Camera support:	Yes. 3 camera inputs with Polaris configuration 4 pin DIN plugs (suggested for Reverse camera, forward vision Camera & caravan/trailer camera).
Notes:	***Unit works independent of OEM CD/radio***
GPS Navigation:	
GPS Receiver:	MSTAR
Chipset:	SiRF GSC3f
Communication port:	COM
Baud rate:	4800
Position accuracy:	Autonomous: < 10 metres at 2DRMS, SBAS: < 7 metres at 2DRMS, WAAS corrected, DGPS: 1-5 at DGPS corrected
Protocol:	NMEA-0183
Street Navigation:	Tom Tom maps with iGo software platform
Off Road Navigation:	HEMA maps with OziexplorerCE platform*
GPS Language:	Multi-languages
Notes:	****Optional Extra***
Reverse Camera function	
Reversing camera:	Comes standard with Number plate camera w/guidelines (other camera choices available)
Reverse trigger:	Yes, Reverse camera function will only appear on screen when reverse gear is engaged
Forward Vision camera	
Functionality:	Once reverse gear is disengaged, the forward vision camera will appear on the screen for 15 Seconds. The forward vision camera can be turned on/off (except when in reverse gear) by selecting the SW button located on the unit.
Caravan / trailer camera*	
Functionality:	The caravan/trailer camera can be viewed at any time by selecting the caravan icon via the main menu or by pressing the van button located on the unit
Notes:	****Optional Extra***
Wiring Harness	
	Connector to plug into the back of the FR-1516 unit Yellow - BATT + Black - GND Red - ACC Input Brown - Reverse trigger Orange - illumination Front camera input (4 PIN DIN - female with Polaris configuration) Reverse camera input (4 PIN DIN - female with Polaris configuration) Caravan / trailer camera input (4 PIN DIN - female with Polaris configuration)
Accessories Included	
	FR-1516 head unit Wiring harness GPS External antenna Rear Vision camera w/ 7metre cable Forward vision camera w/ 7 metre cable

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