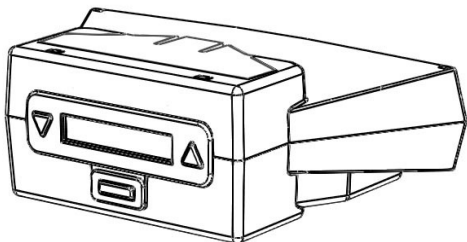


FV100 Owner's Manual

Thank you for purchasing this FORWARD VISION™ Product!



*"An extra second of warning time can prevent about 90 percent of rear-end collisions."
- NTSB Report*

FORWARD VISION™ is an innovative, forward-facing collision warning systems, that creates a new level of safety behind the wheel. FORWARD VISION™ radar will give you that extra second to react. With it's advanced millimeter radar, FORWARD VISION™ sees more and further away then ever before possible. Additionally, it's patented algorithms minimizes false and unnecessary alerts. When FORWARD VISION™ beeps, you need to be extra alert!

Introduction

All vehicle Radar Systems have technical limitations. The FORWARD VISION™ radar is no exception, and there are several things that you must know about in order to get the full benefits of the system. Great effort has been taken ensure you are alerted to the majority of collision situations, while at the same time attempting to reduce the number of false alerts.

Please read this manual carefully to understand how the system works, and how to use it properly.

Always pay attention to traffic while driving, even with the FORWARD VISION™ system in your vehicle. As the driver, YOU are always responsible for maintaining a safe speed and distance from other objects. FORWARD VISION™ is only there to assist you. The driver is always responsible for braking. Never let the comfort and convenience that FORWARD VISION™ provides distract you from the need to be alert to traffic conditions and the need to remain in full control of your vehicle at all times. FORWARD VISION™ is in no way connected to the brakes on your vehicle, and will not automatically slow or stop your vehicle. Never follow a vehicle so closely that you cannot stop your vehicle safely.

The system assesses situations when a vehicle ahead brakes suddenly, and when your vehicle is traveling faster than the vehicle ahead of you. FORWARD VISION™ cannot react if it cannot detect the situation. Therefore, it is critical that system be properly aligned with your vehicle to maximize its effectiveness.

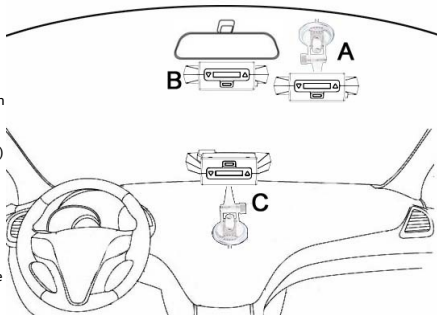
An advantage of having a Radar based system over a Camera based system is the ability to operate in all lighting conditions including sunrise/sunset/day/ and night. Also, Radar can pierce fog, rain, and snow, although the performance might diminish slightly. Heavy rain and ice will further decrease the radars function and range. If the unit alerts in these situations, be extra alert!

FORWARD VISION™ will automatically suppress audio alerts when your vehicle is traveling at less than 10 MPH. Also, when driving on roads with curves, the FORWARD VISION™ system automatically suppresses the audio alert in order to eliminate false alerts from objects not directly in your path.

Installation

FORWARD VISION™ offers multiple options for installation. Choose the method that you prefer for your vehicle. The unit can be mounted to the windshield (A) with the included suction cup, to the review mirror (B) with the included mirror mount (most vehicles), or can be mounted to the dashboard (C) using the suction cup and the included disk.

When mounted to the dashboard, the unit will actually be upside down. This isn't a problem. The unit will automatically adjust the screen and the buttons to work properly.



In the Box:

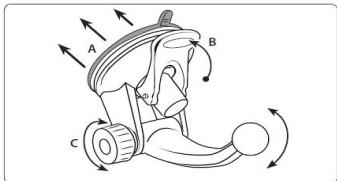
- 1) FORWARD VISION™ FV100 Radar
- 2) Power Cord
- 3) Suction Cup Mount
- 4) Rearview Mirror Mount
- 5) Dashboard Disk
- 6) Alcohol Pad

If you have a unique mounting situation, visit www.Arkon.com and choose from a wide range of compatible mounting solutions!

Windshield/Dash Mounting

Find a safe, smooth location on the interior of the windshield or dash to mount the pedestal. Avoid any sun glare dots at the top of some windshields. Clean the windshield or dash with the alcohol wipe. To mount to the dashboard, remove the paper backing from the dash mount disk, and place the disk on a clean flat surface on the dashboard.

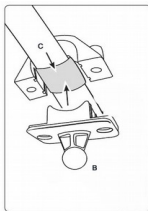
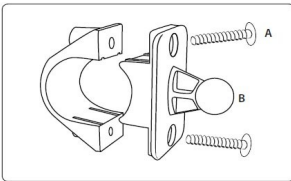
Firmly push the suction base (A) against the windshield or dash mount disk, and flip the base level down (B) to the locked position.



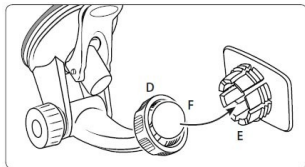
Rearview Mirror Mounting

Using a screwdriver, remove the two mounting screws (A) in order to release the ball plate (B) so the mount can be placed around the mirror stem.

Wrap the rubber rings (C) around the mirror stem and reassemble the ball plate (B) around the rubber rings, with the ball pointing down. Secure the mount assembly by using a screwdriver to re-tighten the two mounting screws.



Swivel Ball Head Assembly Attachment



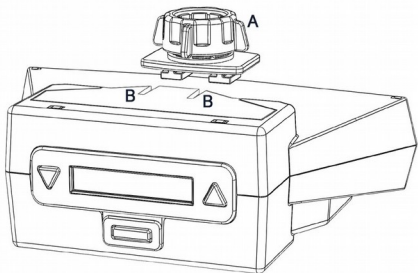
The swivel ball attachment (E) can be used with either the suction mount, or the mirror mount. The assembly steps are the same for both.

Slip the tightening ring (D) over the pedestal ball (F). Snap the dual-T adapter plate (E) on to the pedestal ball (F). Screw the tightening ring over the adapter plate until snug. This will be tightened further at the final alignment step.

Attach the Device

To attach the device to the mount, insert the dual-T head (A) into the dual t-slots (B) on the top of the device. Slide the dual-T head (A) back until it is firmly attached. Align the unit so that it is pointing straight ahead, and is level. Snug the nut.

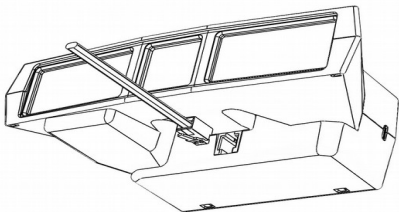
Final adjustments will be made in the 'Alignment' section.



Attach the power cord

Plug the power cord into the plug opening located below the radar horns. Insert the cable until it snaps into place. The cable can be routed through the unit to help hide it in some installations.

Plug the opposite end of the cable into a power outlet in your vehicle.



Power

To turn the unit on or off, use the switch at the power outlet.

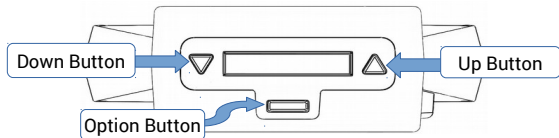
If your vehicle does not automatically turn off the power outlet when the vehicle ignition is off, be sure to turn off the FORWARD VISION™ unit manually before you exit your vehicle.

There is a 1 Amp fuse inside the power plug. If the Red light on the switch will not come on, replace the fuse.

Operation

Up/Down Buttons – Increase or Decrease Selected value, or cycle through options

Option Button – Cycle through option screens.



Option Screens

Press the 'Option' button to cycles through the option screens. All the option screens will timeout back to the status screen, or you can use the mode button to cycle through all the options. All setting changes will be stored in the device.

Status – Shows warnings and alerts. The system will automatically go from green, to 'Alert', and 'Brake!' based on the driving situation. Press any button to go to the Volume Screen.

Green ball – the system is on, and there are no alerts.

Alert – You are following too close, or closing quickly on the vehicle in front of you.

Brake – The radar is tracking an object that is potentially a collision threat. Take action!

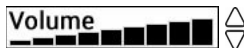


FORWARD VISION™ uses a built-in GPS module to determine vehicle speed. When the GPS is first powered on, there will be a blue line on the status screen indicating that it is searching for satellite signals. When the GPS gets a satellite lock on it's position and speed, the line will turn green. When it is green, the system will automatically adjust its range and sensitivity based on your speed.

Volume – Adjust Beep volume. Setting the volume to the maximum provides the most effective alert!

Press Up/Down to Adjust.

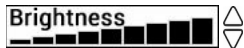
Press the Option button to go to the Brightness Screen.



Brightness – Adjust Display Brightness. For nighttime driving, you may want to dim the screen.

Press Up/Down to Adjust.

Press the Option button to go to the Driver Mode screen.



Driver Mode – Press Up/Down to select a mode. Press the Option button to go to the Alignment screen.



Cautious Mode – Increased sensitivity for new drivers, large vehicles, or poor weather.

Normal Mode – Recommended mode for most drivers and vehicles.

Sport Mode – Decreases warning time for sport cars with expert drivers. This mode will reduce the number of alerts, and will not warn you until immediate action must be taken.

Leveling – Assists during installation

Leveling
Press Arrows to Select



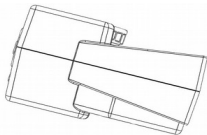
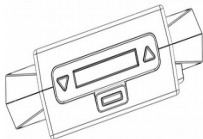
Your Vehicle must be parked on
a flat, level surface.
Press an arrow to begin.



From the Leveling Select screen, press either arrow button to begin leveling mode.

In order to align the device to the vehicle, the vehicle must be parked on a flat and level surface.

Press either arrow again to begin the leveling procedure.



The left side of the screen shows if the unit is rotated side to side. In this example, the right side of the unit is high, and the left side is low. Adjust the unit by bringing the right side down slightly, until the line becomes horizontal.

The right side of the screens shows if the front of unit is pointed up, down, or is level. In this example, the front of the unit is pointing down. Rotate the front of the unit up slightly until the line becomes horizontal. When the unit is properly aligned, both lines will be horizontal, and will turn green.

Press the Option button to go to the Info Screen.

Info – Model, Serial Number, and Software Version are displayed on this screen. Press the Option button to return to the Status screen.

Model# FV100
Serial# XXXYYYZZZ
Firmware Ver. 1.00

Alignment

Once the FORWARD VISION™ unit has been leveled, it is very important to make sure it is aligned so that it is pointing directly in front of your vehicle. Rotate the unit until it is pointing straight ahead. Use a tape measure and check that each side of unit is exactly the same distance from the windshield.

On the Road

While driving with the unit, you might experience some unexpected beeps. This is usually due to alignment. If FORWARD VISION™ is not pointed straight ahead it will detect and alert on things that are not in your path. If the unit beeps on signs and mailboxes on the right side of the vehicle, adjust the unit slightly to the left. If it seems to be when passing objects on the left, adjust the unit slightly to the right.

Troubleshooting

(Troubleshooting tips will be added here.)

FCC Info

FCC ID: 2AGS7-FV100A
IC: 20933-FV100A

Model: FV100

This device complies with Part 15 of the FCC Rules and with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Note: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FORWARD VISION™ can only be used in a motor vehicle. Any other uses are prohibited.

Warranty Info

TRUE TECHNOLOGY, LLC
LIMITED WARRANTY, DISCLAIMER & LIMITS ON LIABILITY

The True Technology anti-collision device ("Forward Vision") which you have purchased, is a warning device.

Forward Vision does not and cannot prevent an accident and does not operate the brakes or steering.

You must continue to remain alert and are responsible for properly driving the vehicle and as appropriate applying the brakes and steering. While Forward Vision has been designed to minimize false alarms, you should presume and act as though each and every alarm (i.e., buzzer or light) is in fact a potential collision which you must act immediately to avoid. The Forward Vision device is warranted to be free from defects in design, construction and workmanship for a period of twelve (12) months from the date of original purchase. This warranty applies only to the original purchaser; provided that the original purchaser complies with the instructions contained in Forward Vision's Owner's Manual. Except for the preceding warranty, **there is no other warranty of any type including no warranty of suitability, merchantability, description, performance, fitness for particular purpose or for any other matter whatsoever.** Regardless of any legal theory True Technology's damages shall be limited to the amount you paid for Forward Vision or the replacement of the Forward Vision. There shall be no liability on True Technology for any personal injury, accident, death or property damage. The purchaser understands that purchaser is responsible for driving the vehicle and avoiding collisions.