ESCORT®

MAX 360®

MAX 360 | 360° Radar / Laser Detection with Alert-signaling Arrows

65 MPH **60** Ka ▥▥ 2

360° ALERTS

360° Directional Alert Arrows

Dual Antenna Front / Rear Detection

GPS-Powered Alert Accuracy

Lightning Fast Response

Designed in the USA

Made for **iPhone**

For Android

Owner's Manual

Power. Precision. 360° Protection.

MAX 360

Congratulations.
You've just purchased our first and only radar/laser detection system featuring a front-and-rear radar receiver and our all-new threat-direction reporting technology for 360° ticket protection—the **ESCORT Max 360®**.

ESCORT Max 360 features a multi-color OLED display. Brilliant graphics illuminate intuitive icons that identify the type of threat at a glance.

Red light camera alert

Ka-Band alerts at front and rear

Ka-Band alert at front, x-Band alert at rear

Max 360 Features

- NEW front-and-rear radar receiver offers 360° ticket protection

- NEW threat-direction arrows report the direction an alert is coming from

- NEW magnetic mount allows for easy attachment and removal of unit from windshield bracket

- HD Performance identifies real threats sooner than any other detector, providing more advanced warning when you need it

- GPS location-based intelligence automatically locks out false alerts and allows you to mark locations for future reference

- Access to ESCORT's DEFENDER Database, which warns you of verified speed traps, speed cameras and red light camera

- Built-In **Bluetooth** technology gives you access to ESCORT's award-winning real-time ticket-protection app, ESCORT Live!

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Registration

Before downloading ESCORT Live you must first register your ESCORT MAX 360. Be sure to have your device nearby, as you will need the serial number. To view the serial number and software revision, press the MRK and MUTE buttons while powering on the detector.

1 Visit EscortRadar.com, scroll to the bottom of the page, and click Product Registration.

2 Click the link under ESCORT Live! Ready Devices.

**3** Follow the onscreen instructions to register your device.

Be sure to write down the username and password you create, as you will need this information to access and download ESCORT Live. (You will also receive an email with this information, once you have registered your device.)

Downloading ESCORT Live!

1 Enter the iTunes App Store or Google play store on your smartphone and search for ESCORT Live radar.

2 Follow the onscreen instructions to download.

3 When prompted, enter the username and password you created when registering your MAX 360 device.

ESCORT
Live!

Username

Password

Log in to gain access to Escort Live with your
Escort username and password.
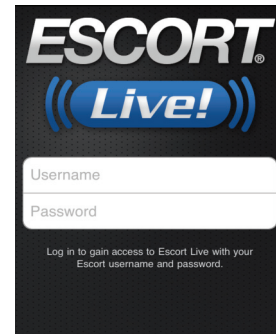
Pairing Your Smartphone

To pair your Smartphone with ESCORT MAX 360:

1 Ensure ESCORT MAX 360 power is ON.

2 On your Smartphone go to Bluetooth Settings.

3 Ensure Bluetooth is ON.

4 Tap Scan for Devices or wait for the Devices list to populate. ESCORT MAX 360 should appear under devices.

5 Tap ESCORT MAX 360 to pair the device with your phone. ESCORT MAX 360's Over Speed indicator will change to a Bluetooth icon when paired to your phone.

6 Open the ESCORT Live App, walk through the tutorial, and you're ready to hit the road!

For Bluetooth pairing tips and more information on using ESCORT Live visit: www.EscortRadar.com

Installation

ESCORT MAX 360 comes with our new Magnet Mount. Simply slide the detector onto the mounting bracket fully and that's it. To remove the detector from the mount, simply pull the detector off the mount.

What's Included
- Max 360 Radar/laser detector
- StickyCup magnetic windshield mount
- SmartCord power adapter
- Quick Reference Guide
- Soft-shell Case

Mounting Tips
- Center on windshield between driver and passenger.
- Ensure clear view of road ahead.
- Avoid windshield wipers and heavily tinted areas.

ESCORT Max 360 Mounting Location
WARNING: ESCORT cannot anticipate the many ways Max 360 can be mounted. It is important that you mount Max 360 where it will not impair your view nor present a hazard in case of an accident.

For optimum detection performance, we recommend the following:

- Using the StickyCup Mount, mount your Max 360 level, and high enough on your front windshield to provide a clear view of the road from the front and rear.

- Mount Max 360 away from windshield wipers, other solid objects, and heavily tinted areas that might obstruct the radar antenna or laser lens.

To mount the detector in your vehicle

1 Remove backing from StickyCup mount.

2 Firmly press StickyCup onto windshield and flip locking clamp to secure.

3 Slide the detector onto the mounting bracket until it's fully engaged. The magnet inside holds the detector in place.

4 To adjust view, loosen thumb wheel and adjust angle of mounting bracket. Tighten thumb wheel to secure.

5 To remove detector, gently pull it off the mounting bracket.

6 To remove mount from windshield, release locking clamp and pull tab on top of StickyCup.

StickyCup Care Instructions
To clean StickyCup, rinse under warm water, gently wipe off any debris and allow to air dry.

Release Tab

StickyCup

Locking Clamp

Thumb Wheel For Angle Adjustment

Mounting Bracket
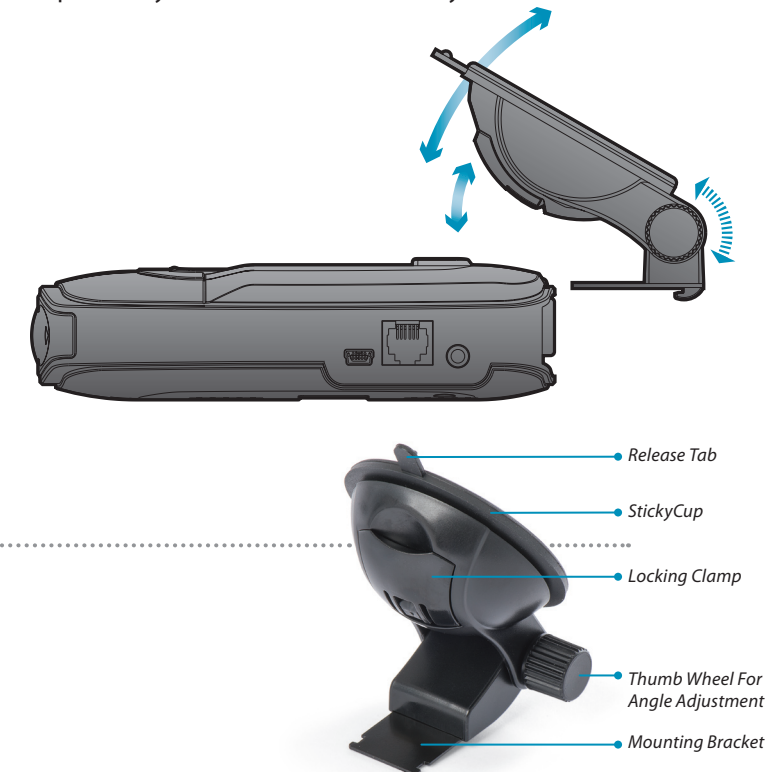
Using ESCORT MAX 360

Plug small end of SmartCord into modular jack on ESCORT Max 360 and large end of SmartCord into your vehicle's lighter/accessory socket. ESCORT Max 360 should power on automatically. If not, press the device's power button. ⏻

NOTE: You can easily access and customize all of your Settings and Preferences by pressing and holding the BRT and SEN buttons. See Settings & Preferences for details.

Using SmartCord

- Mute Button:
  - ▶ Press to mute an alert
  - ▶ Press three times to lock out a false alert
  - ▶ Press twice while receiving a locked-out alert to unlock
  - ▶ When connected to ESCORT Live press and hold mute button on unit or cord to manually report to other users a verified X or K-band alert, or a police officer observing traffic
- Alert Light:
  Blinks orange when receiving an alert
- Power Light:
  Lights blue when receiving power

Modular Connector
Plugs into detector jack

Lighter Adapter
Connects to lighter/accessory socket

Earphone Jack
Connects to optional 3.5 mm stereo earphone

Modular Jack
Connects to SmartCord for powering your device

Mini USB Jack
Connects to your computer via USB A / Mini B cable for downloading software updates

Mark Location (MRK)
To mark a location for future alerts, press MRK twice, then VOL **+** or **–** to select the type of marker, then MRK again to confirm. Press twice while receiving marker alert to unmark

Sensitivity (SEN)
Press to adjust detector sensitivity (Highway, Auto, Auto NoX)

Brightness (BRT)
Press to adjust display brightness (Min, Med, Max, Auto, Dark)

Over Speed Alert/ Posted Speed Limit
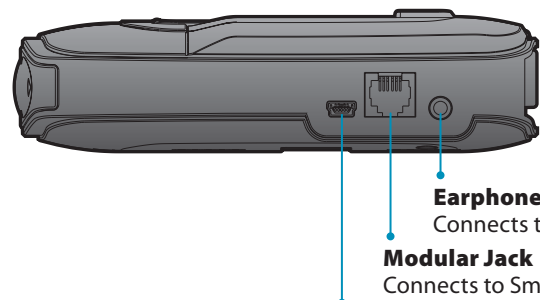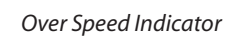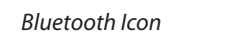Over Speed Alert setting that can be adjusted in Preferences. Displays *Bluetooth* icon when paired to phone, and posted speed limit for current location when connected to ESCORT Live

Over Speed Indicator

Bluetooth Icon

Posted Speed Limit

Magnetic Mount
Simply slide ESCORT MAX 360 on or off mounting bracket

Volume
Press and hold **+** or **–** to adjust volume

Power ⏻
Press to turn MAX 360 on or off

Mute
Press to mute an alert; press three times to lock out a false alert; press twice while receiving a locked-out alert to unlock

Threat-Direction Arrows
Report the direction an alert is coming from

Alert Area
ESCORT MAX 360 offers seven different settings for displaying front and rear alerts. See Preferences for details

Current Speed
Shows battery voltage when Speed Display is off

AutoPower

This feature automatically turns off ESCORT Max 360 after a set period of time to save unnecessary drain on your battery. This is especially useful if your vehicle has a constant-power ignition. See the Settings & Preferences section for details on how to customize the AutoPower feature.

NOTE: When AutoPower is ON, the display will go dark after the vehicle has been sitting still for 30 minutes, to save screen life. The screen will turn back on automatically once your vehicle reaches a speed of 10 mph.

Volume

To adjust ESCORT Max 360 to your preferred audio level for alerts, simply press and hold + or –. The audio will increase/decrease while it is depressed. Once you reach the desired audio level, simply release the button. ESCORT Max 360 will retain this setting in its memory, even if the system is turned off.

Mute

The MUTE button allows you to silence the audio during an alert. Simply press the button during the alert. Once the radar encounter has passed, the mute will disengage, and the audio will return to your pre-set level. You can also silence an alert by pressing the SmartCord MUTE button.

AutoMute

Your ESCORT Max 360 also includes ESCORT's patented AutoMute feature. Once ESCORT Max 360 alerts you to a radar encounter at your selected volume level, it automatically reduces the volume to your desired level. This keeps you informed without the annoyance of a continuous full-volume alert. If you prefer, you can turn the AutoMute feature off. See the Settings & Preferences section for details.

SmartMute

If AutoMute has already reduced the volume for one alert and a higher-priority band is detected, ESCORT Max 360 will sound an alert at your set volume for the second band before adjusting the volume back down to the AutoMute level.

User Mode

ESCORT Max 360 offers two unique user modes:

Advanced

In this mode, you can access and customize all of ESCORT Max 360's settings and preferences.

Novice

In this mode, you can access and customize units (English or metric) and display color only. All other preferences are set to the factory defaults. To view all settings and preferences, you must switch back to Advanced mode.

Display Color

Your detector screen can be displayed with blue, green, red or amber accents to match the dashboard lighting of various vehicles. See the Settings & Preferences section for details on how to change the display color.

Blue

Green

Red

Amber
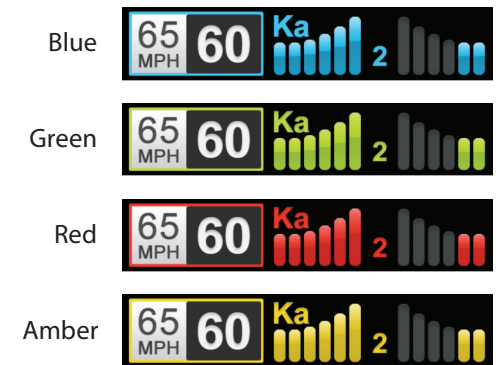
Display Brightness

ESCORT Max 360's display brightness is automatically adjusted to suit ambient lighting conditions in your car. (The light sensor is located inside the controller, so the display may dim momentarily when you access the buttons.) If you prefer, you can press the BRT button to set a fixed brightness level:

Auto	Automatically adjusts brightness (factory setting)
Dark	Dark mode
Minimum	Minimum brightness
Medium	Medium brightness
Maximum	Maximum brightness

NOTE: If you select Dark mode, the display will not provide any indication that it is on. Therefore, only audible alerts will notify you of detected signals.

Speed Display

ESCORT Max 360 displays your current speed just to the right of the Over-Speed Alert setting (or posted speed limit for your current location, if connected to ESCORT Live). If you prefer, you can turn off the speed display feature (see Settings & Preferences section for details). If speed display is OFF, ESCORT Max 360 will simply display your battery voltage in this location

Speed display ON:
Current speed

Speed display OFF:
Battery voltage
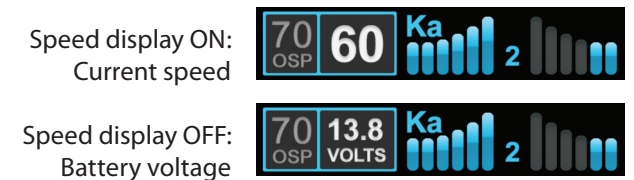
Radar Sensitivity

The SEN button allows you to select your preferred radar sensitivity: Highway, Auto or Auto No X. In general, ESCORT recommends Auto for everyday driving.

Highway
In this setting, ESCORT Max 360 will detect all radar signals on all bands at maximum range.

Auto
In this setting, ESCORT Max 360 will continuously analyze all incoming signals and intelligently adjust the sensitivity circuits, providing long-range warning with minimal false alarms.

Auto No X
Auto No X works the same as Auto mode; however, X band is completely turned off.

WARNING: Do not use ESCORT Max 360 in Auto No X unless you are absolutely certain that there are no traffic radar guns using X band in your area.

TrueLock/Locking Out False Alerts
ESCORT Max 360 is equipped with a TrueLock GPS Filter to lock out and store in its memory false alerts. To lock out a false alert (X band, K band or laser only), press the MUTE button on the detector or the SmartCord three times during an alert. Pressing the first time will silence the audio. Pressing a second time will generate a prompt on the display that will read "Lockout?" Press a third time to confirm you want to lock this signal out by location and frequency. A "Stored" message will be displayed. Once a signal has been stored, ESCORT Max 360 will reject the signal the next time you approach this area and will display the locked-out alert.

Locked-out alert

To unlock a signal that has already been stored, simply press and hold the detector or SmartCord MUTE button while receiving the locked out alert. The display will read "Unlock?" Press the detector or SmartCord MUTE button again to unlock it from memory. The display will then read "Unlocked" to confirm your action.
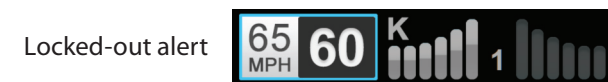
For details on how to turn the GPS Filter off, refer to the Settings & Preferences section.

NOTE: When the GPS Filter is set to OFF, you do not have access to ESCORT Max 360's other GPS-enabled features (e.g., Defender Database alerts, marking locations, etc.).

AutoLearn
The AutoLearn feature analyzes (over time) the source of radar signals by location and frequency. This allows ESCORT Max 360 to determine if a signal is a real threat or a false one. If it determines that the signal is an automatic door opener, motion sensor, etc., it automatically locks out this source at this particular location. A "Stored" message will appear on the display when a signal has been automatically locked out. If you prefer, you can turn the AutoLearn feature off. See the Settings & Preferences section for details.

NOTE: AutoLearn typically needs to encounter the exact frequency in the same location approximately three times to lock it out. Since some door openers are turned on and off routinely, some variations may occur. When AutoLearn is on, ESCORT Max 360 will also unlearn signals to protect you from locking out real threats. If a particular signal is no longer present at a location that was previously locked out, ESCORT Max 360 will unlock that signal.

Marking Locations
The MRK button allows you to mark a specific location and label it for future reference. Once marked, ESCORT Max 360 will provide an alert when you reach this area again.

Red light camera

Red light & speed camera

Speed camera

Speed trap

Other
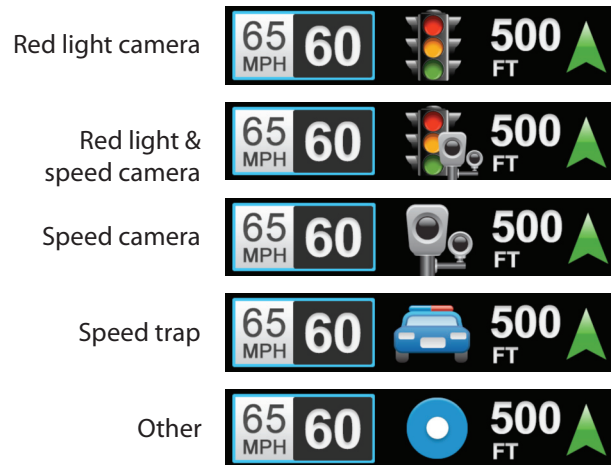
ESCORT Max 360 gives an advanced warning of upcoming markers at the following distances:

- **Red light cameras:** 250 ft or 10 seconds
- **Red light & speed cameras:** 250 ft or 10 seconds
- **Speed cameras:** 500 ft when traveling below 55 mph; 1,000 ft when traveling above 55 mph
- **Speed traps:** 0.3 mi or approximately 1,584 ft
- **Other:** 500 ft when traveling below 55 mph; 1,000 ft when traveling above 55 mph

To mark a location, press the MRK button. The display will read "Mark?" Press MRK again to bring up a menu of markers to choose from. Press + or – to scroll through the markers, then press MRK to select the marker you wish to use at this location. The display will read "Marked!"

NOTE: When a location is marked the first time, you must travel at least 1 mile away from that location to receive an alert when you return to the area.

To unmark a location, touch the MRK button when you are receiving a marked-location alert. The display will read "Unmark?" Touch the MRK button again to confirm. The display will read "Unmarked!" To customize the types of markers you want to be able to set and receive, see the Settings & Preferences section.

Over-Speed Alert
With ESCORT Max 360, you can set the Over-Speed Alert to notify you when you are traveling over a specified speed (factory default is 70 mph; see Settings & Preferences for details). When you travel above the speed threshold you have set, the background display for your current speed will turn red to alert you that you have exceeded the specified speed.

Alert Tones
Standard
The factory default for alert tones is the ESCORT Standard mode, in which ESCORT Max 360 uses a Geiger counter-type sound to indicate the signal strength and type of radar signal being encountered. When you encounter radar, a distinct audible alert will sound and will increase as the signal gets stronger. This allows you to judge the distance from the signal source without taking your eyes off of the road. Each band has a distinct tone for easy identification:

X band	=	beep tone
K band	=	brap tone
Ka band	=	double-brap tone
Laser	=	solid brap tone
Pop	=	solid brap tone

Standard Plus
Features the standard ESCORT alert tones outlined above for the primary alert, plus double-beep tones for additional alerts.

Mild
Mild mode offers softer, simpler alert tones that are less obtrusive to the driving experience:

• X band, K band, Ka band and Pop	=	Doorbell chime
• Low signal strength	=	Double chime
• High signal strength	=	Triple chime
• If alert remains in area more than 15 seconds	=	Single chime (as a reminder)
• Laser	=	Solid brap tone

Since laser signals are a possible threat no matter how weak, ESCORT Max 360 alerts you to all laser signals with a full laser alert. See the Settings & Preferences section for details on switching your alert tones.

Cruise Alert
The Cruise Alert feature allows you to modify your alert tones when traveling below a specified speed (factory default is 20 mph; see Settings & Preferences for details). For all alerts received while traveling below the specified speed, ESCORT Max 360 will sound a simple double-beep alert.

Voice Alerts
ESCORT Max 360 provides digital voice announcements for alerts and selection feedback. If you prefer, you can turn off the voice feature. See the Settings & Preferences section for details.

Signal-Strength Meter
ESCORT Max 360 offers seven different settings for displaying alerts:

Standard
The Standard option provides information on a single radar signal. When ESCORT Max 360 detects radar, it displays the band of the radar (X, K or Ka) and a bar graph of the signal's strength. When laser is detected, the display will simply read "Laser." If there are multiple signals present, ESCORT Max 360 will determine which one is the most important threat to display.

Standard FR1
The factory default Standard FR1 option provides information on both the type and direction of the primary threat. If multiple signals are present, ESCORT Max 360 will determine which threat is the most important to display. In this mode, the display shows both the band of the primary alert as well as a front and/or rear bar graph of the signal's strength, indicating the direction of the threat.

Standard FR2

The Standard FR2 option can provide information on the type and direction of up to two threats. (ESCORT Max 360 will determine which threats are the most important to display.) In this mode, the display shows the bands of threats as well as front and/or rear bar graphs indicating their direction.

Spec FR1

The Spec FR1 option is an advanced display for experienced detector users. In this mode, ESCORT Max 360 will display the type and direction of the primary threat (with front and/or rear bar graphs of signal strength), as well as the actual numeric radar frequency being received.

Spec FR2

The Spec FR2 option is also an advanced display for experienced detector users. In this mode, ESCORT Max 360 will display the type and direction of up to two threats (with front and/or rear bar graphs of signal strength), as well as the actual numeric frequencies for each.

Expert FR

ESCORT's exclusive Expert FR option is also designed for the advanced detector user. In this mode, ESCORT Max 360 simultaneously tracks up to four radar signals. It shows each band, along with front and/or rear bar graphs of signal strength. In the image above, a Ka band, K band and two X bands are being detected with the greyed out X band being a locked out false. ExpertFR can help you spot a change in your normal driving environment (e.g., a traffic radar unit being operated in an area where there are normally other signals present).

Simple

In this mode, Simple messages replace actual bands and signal strengths or frequencies. "Caution" is used when an alert is received while you are traveling below your current Cruise Alert setting (or posted speed limit for current location, when connected to ESCORT Live). "Slow Down" is displayed when an alert is received while you are traveling above the current Cruise Alert setting (or posted speed limit for current location, when connected to ESCORT Live).

NOTE: ESCORT Max 360's selectable bands feature allows you to customize which bands are monitored. For details on modifying your band detection, see the Settings & Preferences section. For details on the various radar/laser bands and how they work, see the Understanding Your Detector section.

Threat-Direction Arrows

ESCORT Max 360 offers three arrow modes for threat-direction reporting:

Arrow mode: Single; Meter mode: Standard FR1

Single

In Single arrow mode, arrows are displayed indicating only the direction of the primary threat. All arrows use your selected display color.

Arrow mode: Multiple; Meter mode: Standard FR2

Multiple

In Multiple arrow mode, threat-direction arrows are displayed for multiple threats. When multiple threats are displayed then the direction arrow of the primary threat will blink. The front and side arrows will match your selected display color while the rear arrow will be the opposite color. If your display color is blue or green then the rear arrow will be red. If your display color is red or amber then the rear arrow will be green. In the example shown in the picture above, the blue top arrow is blinking because it is the primary threat.

Arrow mode: Band; Meter mode: Standard FR2*

Band

In Band arrow mode, the threat-direction arrows are color-coded for the band that is being detected. When multiple threats are displayed then the direction arrow of the primary threat will blink. In the example shown in the picture above, the top red arrow, indicating a Ka threat is ahead, is blinking because it is the primary threat.

X band = **green**
K band = **blue**
Ka band/Laser = **red**

* When using Band arrow mode with Standard FR2 and Spec FR2 meter modes.

Clearing the Database

At some point, you may wish to clear some of the data in ESCORT Max 360's database. This may include any of the following: Defender Database data, marked locations or locked-out locations. For details on how to clear the database, see the Settings & Preferences section.

Serial Number & Software Version

To view your ESCORT Max 360's serial number and software revision, press MRK and MUTE while powering on the detector.

How To Use Preferences

To access Preferences, press and hold both the BRT and SEN buttons. ESCORT Max 360 will display "Preferences," indicating it is in program mode.

Once the unit is in Preferences mode, the BRT button is used to review the preference categories, and the + and – buttons are used to change the individual settings within the selected option.

To exit Preferences, simply wait a few seconds without pressing a button. A "Completed" message will display, confirming your selection(s).

Example:
Here's how you would turn the Speed Display off:

1 Enter Preferences by pressing and holding both the BRT and SEN buttons. ESCORT Max 360 will display "Preferences."

2 Press the BRT button to scroll through the categories to "Speed Display."

3 Since the factory setting is for Speed Display to be ON, ESCORT Max 360 will show Speed Display as ON.

4 Press the + or – button to change from ON to OFF.

5 To complete this change, simply wait a few seconds without pressing a button. The unit will display "Completed" to confirm your selection.

NOTE: You can only access and customize the Speed Display feature while in the Advanced user mode. See the Overview of Preferences chart for details on how to switch user modes.

Press and hold the BRT and SEN buttons to access Preferences. To exit Preferences, simply wait a few seconds without pressing a button. A **Completed** message will display confirming your selection(s).

Press BRT to go from one category to the next		Press + or – to change your setting within a category
User Mode	**Advanced***	Access and customize all Settings and Preferences
	Novice	Access and customize units and display color, (all other Settings are set to factory defaults)
		NOTE: Switch to Advance mode to view all Preferences
Pilot Mode	**Scanning***	Scanning Bar with Full Word
	Full Word	Full Word: Auto, Auto NoX, or Highway
Arrow Mode	**Single***	Displays blue threat-direction arrow for primary alert band
	Multiple	Displays threat-direction arrows for multiple alerts based on Meter Mode settings.
		Front radar alert band = blue, Rear radar alert band = red
	Band	Displays color-coded threat-direction arrows for multiple alert bands, based on Meter Mode settings.
		X = green, K = blue, Ka/Laser = red
Display Color	**Blue* / Green / Red / Amber**	Set color to match your vehicle's dash display
Speed Display	**On***	Displays current speed
	Off	Displays battery voltage
Cruise Alert	**20 mph***	Offers double-beep alert tones if traveling below specified speed
	Off / 20-160 mph	
Over Speed	**70 mph***	Reminds you when you exceed a specified speed
	Off / 20-160 mph	
Meter Mode	**Standard**	Primary alert band, with bar graph of signal strength
	Standard FR1*	Primary alert band, with front and/or rear bar graph(s) of signal strength
	Standard FR2	Primary and secondary alert bands, with front and/or rear bar graph(s) of signal strength
	Spec FR1	Primary alert band, with numeric frequency and front and/or rear bar graph(s) of signal strength
	Spec FR2	Primary and secondary alert bands, with numeric frequencies and front and/or rear bar graph(s) of signal strength
	Expert FR	Multiple alert bands, with front and/or rear bar graph(s) of signal strength for each
	Simple	**Caution** (if traveling below Cruise Alert limit)
		Slow Down (if traveling above Cruise Alert limit)
Tones	**Standard***	Standard ESCORT alert tones
	Standard+	Standard ESCORT alert tones for primary alert and double-beep tones for additional alerts
	Mild	Mild doorbell chime alert tones
AutoMute	**Low / Med* / High / Off**	Automatically reduces audio to preferred volume during alert

AutoLearn	**On* / Off**	Automatically stores and locks out false alarms
Units	**English* / Metric**	Units for distance and speed
Language	**English* / Espanol**	Language for voice and text
Voice	**On* / Off**	Voice announcements
GPS Filter	**On* / Off**	Enables GPS-powered features
AutoPower	**Off**	Power turns on or off depending on your vehicle's ignition type (constant power or switched)
	1 Hour	Powers off automatically after 1 hour
	2 Hours	Powers off automatically after 2 hours
	4 Hours*	Powers off automatically after 4 hours
	8 Hour	Powers off automatically after 8 hours
		NOTE: AutoPower only works with constant power-ignition. If AutoPower is on, the display screen goes blank after 30 minutes to save screen life. Display screen will turn on automatically after you reach 10 mph
Band Enables	**Default***	Default Settings for North America
	Modified	Customize the bands you want to monitor

Press SEN to modify band preferences and go from one category to the next		Press + or – to change your setting within a category
X Band	**On* / Off**	
K Band	**On* / Off**	
Ka Band	**On* / Off**	
Ka-POP	**On / Off***	
Laser	**On* / Off**	All laser guns used in North America
TSR	**On* / Off**	Automatically rejects traffic-flow-sensor false alarms
Marker Enables	**Default***	All markers on
	Modified	Customize the types of locations you want to mark for future reference

Press SEN to modify marker preferences and go from one category to the next		Press + or – to change your setting within a category
Other	**On* /Off**	Other location
Redlight	**On* / Off**	Red light camera
Red & Speed	**On* / Off**	Red light & speed camera
Speed Camera	**On* / Off**	Speed camera
Speed Trap	**On* / Off**	Speed trap
Air Patrol	**On / Off***	Known aircraft patroled areas
		NOTE: User cannot mark an Air Patrol location
Clear Locations	**Marked**	Clear all user-marked locations. Press SEN button to confirm
	Lockouts	Clear all lockouts. Press SEN button to confirm
	Defender	Clear all DEFENDER Database data. Press SEN button to confirm
	Format	Clear DEFENDER Database, all markers, and all lockouts. Press SEN button to confirm

*Default Setting

Restore Factory Settings

To restore ESCORT Max 360 to its original factory settings, press and hold BRT and MRK while turning the power on. A "Restored" message will display, acknowledging the reset.

Interpreting Alerts

Although ESCORT Max 360 has a comprehensive warning system, only experience will teach you what to expect from your detector and how to interpret what it tells you.

The specific type of radar being used, the type of transmission (continuous or instant-on) and the location of the radar source affect the alerts you receive. The following examples will give you an introduction to understanding your detector's warning system for radar and laser alerts.

Alert	Explanation
Detector begins to sound slowly with front arrow displayed. Rate of alert increases until it becomes a solid tone. The signal meter ramps accordingly.	You are approaching a continuous radar source aimed in your direction.
Detector emits short alerts for a few seconds with front arrow displayed then falls silent, only to briefly alert and fall silent again.	An instant-on radar source is being used ahead of you and out of your view.
Detector suddenly sounds a continuous tone for the appropriate band received.	An instant-on radar or laser source is being used nearby. This kind of alert requires immediate attention.
Detector sends a brief laser alert with all direction arrows displayed.	Laser is being used in the area. Because laser is inherently difficult to detect, any laser alert may indicate a source very close by
Detector receives weak signals with rear direction arrow displayed. Signals may be a little stronger as you pass large, roadside objects. Signals increase in frequency.	A moving patrol car with continuous radar is overtaking you from behind. Because these signals are reflected (reflections are increased by large objects), they may or may not eventually melt into a solid point, even when the patrol car is directly behind you.
Detector alerts slowly for a while with front direction arrow displayed then abruptly jumps to a strong alert.	You are approaching a radar unit concealed by a hill or an obstructed curve
Detector alerts intermittently with front direction arrow displayed. Rate and strength of alerts may be consistent or vary wildly.	A patrol car is traveling in front of you with a radar source aimed forward. Because signals are sometimes reflected off of large objects and sometimes not, the alerts may seem inconsistent.
Detector alerts intermittently with front direction arrow displayed. Rate and strength of signal increases with each alert.	A patrol car is approaching from the other direction, sampling traffic with instant-on radar. Such alerts should be taken seriously.
Detector gives an X band alert intermittently with the front direction arrow quickly changing to side arrows then to the rear direction arrow.	You are driving through an area populated with radar motion sensors (e.g., door openers or burglar alarms). Since these transmitters are usually contained inside buildings or aimed toward or away from you, they are typically not as strong or lasting as a real radar encounter.

CAUTION: Overconfidence in an unfamiliar area can be dangerous. Likewise, if an alert in a commonly traveled area is suddenly stronger or on a different band than usual, speed radar may be set up nearby.

How Radar Works

Traffic radar, which consists of microwaves, travels in straight lines and is easily reflected by objects such as cars, trucks, and even guardrails and overpasses. Radar works by directing its microwave beam down the road. As your vehicle travels into range, the microwave beam bounces off your car, and the radar antenna looks for the reflections. Using the Doppler principle, the radar equipment then calculates your speed by comparing the frequency of the reflection of your car to the original frequency of the beam sent out.

Traffic radar has limitations, the most significant of these being that it typically can monitor only one target at a time. If there is more than one vehicle within range, it is up to the radar operator to decide which target is producing the strongest reflection. Since the strength of the reflection is affected by both the size of the vehicle and its proximity to the antenna, it is difficult for the radar operator to determine if the signal is from a sports car nearby or a semi truck several hundred feet away.

Radar range also depends on the power of the radar equipment itself. The strength of the radar unit's beam diminishes with distance. The farther the radar has to travel, the less energy it has for speed detection.

Because intrusion alarms and motion sensors often operate on the same frequency as X and K band radar, your detector will occasionally receive non-police radar signals. Since these X band transmitters are usually contained inside of a building or aimed toward the ground, they will generally produce much weaker readings than will a true radar encounter. As you become familiar with the sources of these pseudo alarms in your daily driving, they will serve as confirmation that the device's radar detection abilities are fully operational.

How POP Works

POP works by transmitting an extremely short burst, within the allocated band, to identify speeding vehicles in traffic. Once the target is identified, or "popped," the gun is then turned to its normal operating mode to provide a vehicle tracking history (required by law).

NOTE: According to radar gun manufacturers, tickets should not be issued in pop mode.

How Laser Works

Laser speed detection is actually light detection and ranging (LIDAR). Laser guns project a beam of invisible infrared light. The signal is a series of very short infrared light energy pulses that move in a straight line, reflecting off your car and returning to the gun. Laser uses these light pulses to measure the distance to a vehicle. Speed is then calculated by measuring how quickly these pulses are reflected, given the known speed of light.

Laser is a newer technology whose use is not as widespread as conventional radar; therefore, you may not encounter it on a daily basis. And unlike radar detection, laser is not prone to false alarms. Because laser transmits a much narrower beam than does radar, it is much more accurate in its ability to distinguish between targets and is also more difficult to detect. As a result, even the briefest laser alert should be taken seriously.

There are limitations to laser, however. Laser is much more sensitive to weather conditions than radar, and a laser gun's range will be decreased by anything affecting visibility, such as rain, fog or smoke. A laser gun cannot operate through glass, and it must be stationary to get an accurate reading. Because laser must have a clear line of sight and is subject to cosine error (an inaccuracy that increases as the angle between the gun and the vehicle increases), police typically use laser equipment parallel to the road or from an overpass. Laser can be used day or night.

How TSR Works
ESCORT Max 360 includes a new boost in anti-falsing software to eliminate excessive alerts from erroneous X and K band sources, such as traffic flow monitoring systems. These systems, which are becoming more widely used in several countries, generate K band signals to measure the flow of traffic on a given road. Unfortunately, most detectors see this as a real threat and will alert you to it unnecessarily. Our new proprietary software, TSR, intelligently sorts, ranks and rejects these types of false alarms automatically. The result is ultimate protection without excessive false alarms.

How Red Light Cameras Work
Red light cameras use three basic things: a camera, a device to trigger the camera and a computer. An intersection may have more than one camera to monitor traffic from multiple directions. The trigger is typically a series of wires buried just beneath the surface of the road. These wires are separated by a pre-set distance to create a magnetic field or induction loop. Once a vehicle is in the intersection, the loop or circuit becomes closed and alerts the computer to take a picture.

In some states, tickets are issued to the car's owner, no matter who's actually driving. In this case, the red light camera only needs to photograph the vehicle's rear license plate. In other states, the actual driver is responsible for paying the ticket. In this case, the system needs a second camera in front of the car to get a shot of the driver's face.

How Speed Cameras Work
There are several types of fixed position speed cameras used, including radar, laser, induction-loop and photo-based. Radar and laser based cameras are typically mounted near the road and transmit a short range signal across the lanes monitored. Since this signal is transmitted across the road instead of down the road like with many handheld systems, detecting them in time is critical.

Another technology used is an induction loop system. This type of system utilizes wires buried just beneath the surface of the road to trigger a computer that calculates speed between the two points. Photo based systems take two sets of pictures of all passing vehicles between two separate fixed locations. Both sets of photographs are date and time stamped, which enables the system to calculate average speed between the two locations.

Fixed speed cameras can also be set up to monitor one to four lanes of traffic in the same direction. To achieve this, a sensor is installed in each lane, and a wide angle camera lens is used to photograph the vehicle that is speeding.
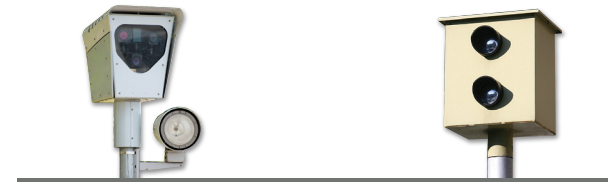
How GPS Works
Developed by the U.S. military, the global positioning system (GPS) is made up of 24 orbiting satellites. There are at least four satellites visible at any given time every day. A GPS receiver is designed to locate and receive data from four of these satellites. These data include the distance to your location from each of the satellites. Once the distance from each satellite is known, the receiver can calculate and pinpoint your exact location.

ESCORT Max 360's red light and speed camera Defender Database is easily updated using our exclusive detector software tools found on our website. Firmware, or the operating software for the detector, can also be updated using these tools.

To access these updates, please register your ESCORT Max 360 at EscortRadar.com. Once registered, you will receive email notifications that updates are available for your database or firmware. To handle your software and database updates, you will need to connect ESCORT Max 360 to a computer via USB A/mini B cable (not included).

Troubleshooting

Problem	Explanation/Solution
Detector beeps briefly at the same location every day, but no radar source is in sight.	An X band motion sensor or intrusion alarm is located within range of your route. If you have AutoLearn enabled, the factory default setting, then ESCORT Max 360 will store this signal after about 3 passes and no longer alert to it.
Detector did not alert when a police car was in view.	VASCAR (Visual Average Speed Computer and Recorder), a stopwatch method of speed detection, may be in use. Officer may not have radar or laser unit turned on.
Detector's audible alerts become softer after the first few alerts.	Detector is in AutoMute mode. See "AutoMute" in the Settings & Preferences section for details.
The power-on sequence reoccurs while you are driving.	A loose power connection can cause ESCORT Max 360 to be briefly disconnected and will retrigger the power-on sequence. Check all connections.
You wish to restore the factory default settings.	Press and hold the BRT and MRK buttons while powering on the detector. A "Restored" message will display, acknowledging the reset.
The device will not turn on.	Check that vehicle ignition is on. Check all connections.
The display feels warm.	It is normal for the device to feel warm.
The display is blank.	ESCORT Max 360 is in Dark mode. Press the BRT button to adjust the brightness.

Service

Service Procedure
If your ESCORT Max 360 ever needs service, call us at 1-800-543-1608. We may be able to solve your problem over the phone. If the problem requires that you send your Max 360 to the factory for repair, we will provide you with a Service Order Number, which must be included on the outside of your shipping box. Ship the product prepaid insured, for your protection.

Properly pack your product and include:
• Your Max 360 and power cord
• Your Service Order Number
• Your name and complete return address
• Your daytime telephone number
• A description of the problem you are experiencing

ESCORT Inc.
Customer Service Department
Return Authorization Number _____
5440 West Chester Road
West Chester OH 45069

ESCORT Extended Service Plan
ESCORT offers an optional extended service plan. Contact ESCORT Sales for details at 800-433-3487.

Parts & Accessories

The following accessories and replacement parts are available for ESCORT Max 360:

• Combo SmartCord

• DirectWire SmartCord

• Laser ShifterPro System

• StickyCup Magnet Mount

• Travel Case

Visit EscortRadar.com for selection and pricing.

800.433.3487
EscortRadar.com

Warranty

ESCORT One-Year Limited Warranty
What this warranty covers: Escort, Inc. ("Escort") warrants your Product against all defects in materials and workmanship.
For how long: One (1) year from the date of original purchase from an authorized Escort dealer.
What we will do: If a breach of warranty occurs, Escort, at its discretion, will either repair or replace your Product free of charge.
What we will not do: Escort will not pay shipping charges that you incur for sending your Product to us.
What you must do to maintain this warranty: Show original proof of purchase or receipt from an authorized Escort dealer.
Warranty exclusions: This warranty does not apply to your product under any of the following conditions: 1. The serial number has been removed or modified. 2. Your product has been subjected to misuse or damage (including water damage, physical abuse, and/or improper installation). 3. Your product has been modified in any way. 4. Your receipt or proof-of-purchase is from a non-authorized dealer or internet auction site, including E-bay, U-bid, or other non-authorized resellers. 5. You are not the original purchaser of the Product from an authorized dealer or did not receive it as a gift from the original purchaser of the Product from an authorized dealer.
To obtain service: 1. Contact Escort (1-800-543-1608) to obtain a Return Authorization Number. 2. Properly pack your Product and include: your name, complete return address, written description of the problem with your Product, daytime telephone number, and a copy of the original proof of purchase or receipt. 3. Label the outside of the package clearly with your Return Authorization Number. Ship the Product pre-paid (insured, for your protection) to: Escort, Inc., 5440 West Chester Rd., West Chester, OH 45069.
LIMITATION OF WARRANTY: The obligations set forth above are Escort's sole obligations and your exclusive remedy. Escort makes no other express warranty. Any implied warranty of merchantability or fitness for a particular purpose that may be applicable to the Product is limited in duration to the duration of this warranty. Some States do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. ESCORT SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INCIDENTAL DAMAGES INCLUDING, WITHOUT LIMITATION, DAMAGES ARISING OUT OF THE USE, MISUSE OR MOUNTING OF THE PRODUCT. Some States do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Escort is not responsible for products lost in shipment between the owner and our service center.
Other legal rights: This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.