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⚠ Caution

Motorists are expected to exercise all due caution while using this product, and to obey all applicable traffic laws.

Our Products & Services

Stealth Interceptor 2300is, NDR-23

The Stealth Interceptor comes standard with NDR-23, which is the interior warnings component. It's a GPS locator with red light speed trap database and DVR recorder. It picks up the wireless signals from the front mounted radar detector and laser diffusers. Then displays those warnings.

Stealth Interceptor 2300is, SmartNav 5

App-Tronics SmartNav 5 can be purchased allowing for driver to replace the NDR-23 with our flagship applicational rear view mirror. SmartNav 5 comes with the same wireless technology allowing it to be used as the interior component to the Stealth Interceptor.

Stealth Interceptor 2300is, GPS 003 LEDS

GPS 003 comes with 2 flashing LED's allowing for a discreet appearance with no DVR. It still includes our red light camera and speed trap database.

Contents: parts list

NDR-23, interior cab component GPS DVR recorder

Radar Detector, bracket, mounting screws and blots. Zip ties for tying off extra wiring

Windshield mounting clip

Power harness for CPU/Wing Box

NDR-23 power supply cord

2 brackets, 4 bolts, 4 locking washers and level

CPU/Wing Box-power supply for engine components

2 Laser Diffusers, mounted on front bumper of vehicle

Introduction:

DESCRIPTION:

The Stealth Interceptor 2300is's is an integrated radar detector and laser diffusing system with front viewing DVR. Its construction, unmatched performance, the complete simplicity of installation make it the pinnacle of protection against radar and laser guns used by law enforcement.

Designed to take away all the financial burden, installation process, and product durability issues that can come with the current available integrated radar laser products. While going above and beyond customer expectations. By supplying competitive pricing, faster install and unmatched warranty along with better performing laser diffusers and radar detector with DVR continuous recording. An updatable red light camera and speed trap database to warn drivers when they are approaching enforceable cameras.

App-Tronics motto "Details on their own mean little, together they mean everything" is how this company was started. Seeing that every effort for perfecting every aspect of the products use and performance were never sacrificed for financial gain. When you see our products for the first time, you will appreciate the dedication the staff at App-Tronics has continued to give. Stealth Interceptor 2300is is the benchmark of integrated radar laser diffusing systems. That will never be challenged.

⚠**Warning**

Even though it is easy to install the unit, we still recommend you to find a professional to help if you don't feel comfortable doing it by yourself.

Overview of Parts

Engine and Bumper Components.

The Engine components include the CPU/Wing Box, 2 Laser diffusers, 1 Radar Detector, wire harness to hook up to cars battery terminals. As well as the brackets, screws and zip ties for mounting.

## Interior Components- NDR-23(SmartNav 5 and GPS 003 with LED's optional)

The NDR-23 interior DVR warning system, includes the power cord with power outlet adaptor and windshield bracket.

Installation: Laser diffusers and CPU

1. Install CPU/Wing Box in Front of Vehicles radiator be sure the cables are **FACING DOWNWARD**. Use the supplied screws and or zip ties. The CPU/Wing Box is heat sensitive, so it's critical it stays in front of radiator and out of the engine compartment.

2. Next install the two (2) Laser diffusers, try and maximize the spacing between them up to 3 feet. Depending on the vehicle spacing maybe limited to a certain distance. The less distance between the Laser Diffusers the lower the maximized protection. **They must be flush with bumper to avoid the laser diode from having its projection blocked.**

← 3 feet →
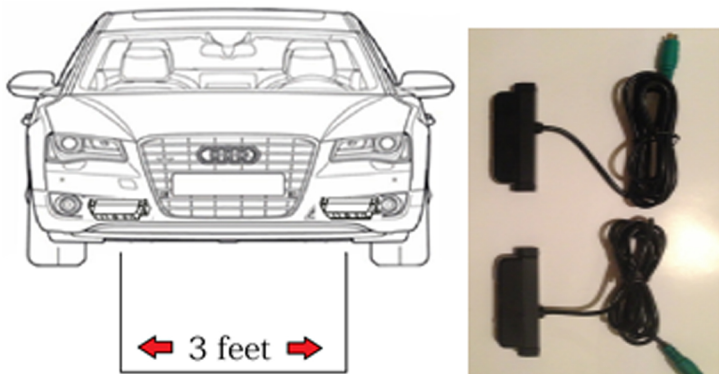
3. Make sure the laser diffusers are positioned horizontal with the larger bulb to your left, use the screws and lock washers provided to secure the diffusers to their brackets. Use the level provided to ensure they are completely level for maximized protection.

Make sure transponders are horizontally Installed by level included in the package.

(Drawing Resource Audi)
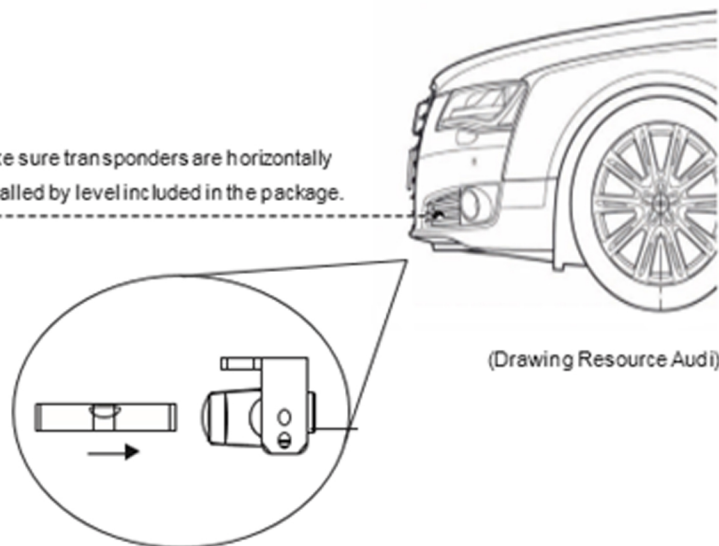
4. Connect the green connectors from each diffuser to the green connectors on the CPU/Wing Box. Be sure to match up the green arrows labeled on each of the connectors. Use the provided zip toes to secure the extra wiring.

Optional Rear Laser Diffusers

App-Tronics does not recommend installing Laser Diffusers on rear of vehicle. If you are engaged by law enforcement please check your speed and remain at or below posted speed limits at all times. Law enforcement will try and retarget your vehicle as you pass them. For those of you that want added protection we do offer but do not warranty any diffusers placed on rear of vehicle.

4-transponder CPU/Wing Box

1. If you are installing 4 transponders with two CPU/Wing Boxes, cut the ID wire on one of the CPU boxes, so the system will differentiate them from each other.
2. Follow the same steps as above section when installing second CPU/Wing Box.
3. You can install second CPU/Wing Box in the trunk of your vehicle and route the laser diffuser(s) to the back end of vehicle.
4. Depending on the style of vehicle location preference is subject to the design of that vehicle. Near or around the license plate is typical location. Though some have had success with both Laser Diffusers located on the rear windshield back shelf.
5. Keep all the same installation requirements in use when installing.
6. Refer to the power supply connection section after the Radar installation to learn how to connect your power supply for the secondary CPU/Wing Box.
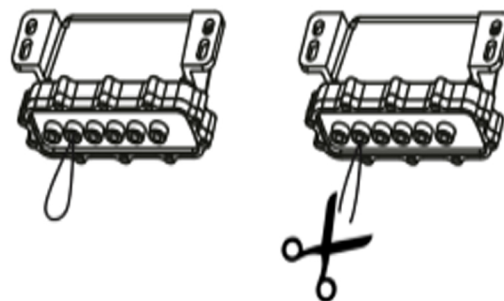
Wiring a Wireless System
Make sure RED wire is connected to + pole and BLACK wire is connected to − pole of a vehicle battery.

DC 12V

DC 12V   DC 12V

T2   T1   T2   T1
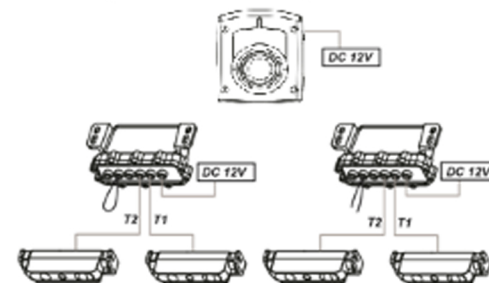
Here is a collection of laser/lidar guns we have tested. Our laser jammer works for other similar ones. The coverage is increasing and we always keep our products promptly updated.

Laser Atlanta	Laser Ally	Laveg	LTI TruCAM
LTI TruSpeed	PoliScan	Pro II, III	Riegl
Stalker LR, LZ	TraffiPatrol XR	TSS Laser	Ultralyte 20-20

Installation: Radar Detector

1. Install Radar Detector with screws and bracket provided in locations seen below.
2. Make sure there is no metal blocking the direct site of the Radar Detector.
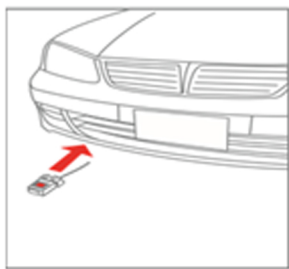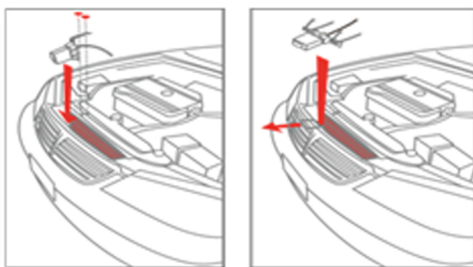
3. Secure the extra wiring with cable ties provided.
4. Then connect the radars blue connector to the blue connector on the CPU/Wing Box. (From previous Chapter)

⚠ Warning

Even though it is easy to install the unit, we still recommend you to find a professional to help if you don't feel comfortable doing it by yourself.

Power Supply Connection : CPU/Wing Box

The final step for the Exterior components is connecting the CPU/Wing Box to your vehicles battery terminals. If your battery is located in trunk you should still be able to connect to the positive jump post and ground post. (See cars manual for locations).

1. Connect the wire harness to the CPU/wing Box, be sure to push in firmly and use the clear housing to cover your connections.

Connection Point

If you look at the front of the CPU/Wing Box you should faintly see a red LED glowing. This indicates power has been successfully supplied to system.

A Few Quick Notes:

Be for you start on your interior installation of the NDR-23, double check that all your connection points are firmly pushed in and sealed, and that any extra wiring is secured neatly and out of the way of any moving parts.

Custom installation is not recommended for the Stealth Interceptor 2300is. The installation we recommend is to give you maximized protection. We are aware of some installation procedures that have become more and more widely used. If you choose to do these variations below, be aware that you are not getting the full intended capabilities of our components.

1. If you choose to use 3M double sided tape to secure your diffusers instead of provided brackets, be sure to use the level and get them as close to perfect as you can. Trying to streamline the appearance of the diffusers is ok as long as you stay within the guidelines listed.
2. Our Stealth Laser diffusers consist of 1 high powered laser diode in each of the diffusers. If you choose to put behind your cars grilles (example BMW) please not that if you block the diode with even plastic it will not intercept law enforcements laser. If you must install this way try installing vertically within the grilles giving as much separation as possible with them being flush with the outside part of the grille.

2. Route the CPU/Wing Box power harness to your power source, in this case it will be the cars battery terminals. The Stealth Interceptor 2300is was designed not to draw from the cars battery till its started, it much reach above 13 volts before it will turn on and draw the needed power to run the system. This was part of the easy installation process. There is no need to splice into any of your vehicles wiring to get power.
3. Loosen your battery terminals and attach to the corresponding positive (red wire) and the negative (black wire). Tighten your battery terminals down after each step.

3. Our Laser diffusres emit or cast their ight beam in the shape of a V, therfore any thing blocking the beam will effect the performance of the diffusers to disrupt law enforcments laser. Be sure to keep your diffusers flush with the front end of the vehicle so not to cut off the projection of the diffusers.
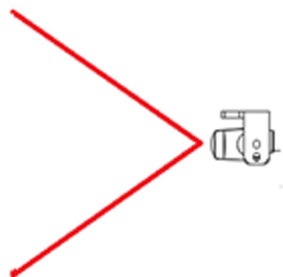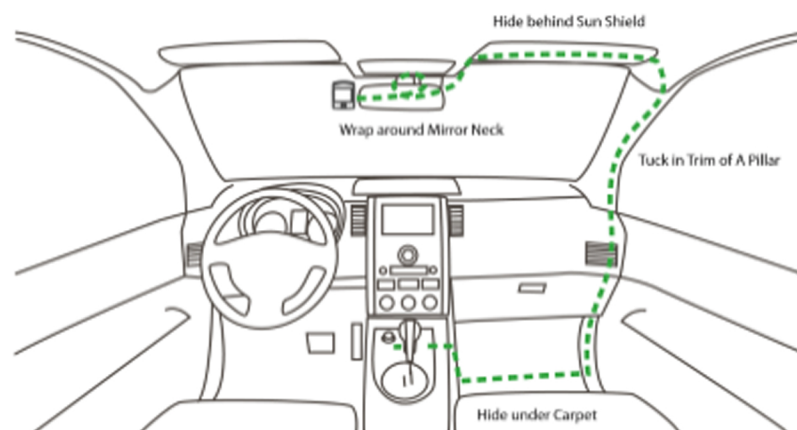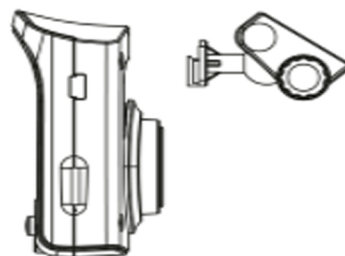

Installation: NDR-23

Interior component GPS DVR recoder

Introduction to your NDR-23 The Stealth Interceptor system comes with the NDR-23, which is a GPS driving recorder (DVR), that protects you from insurance trouble, including accidental liability, vandalism, and speeding tickets. We encased all the interior components into one. The GPS antenna, DVR, control panel, display, speaker and warning system, can now fit into the palm of your hand. It can be hardwired in, plugged into vehicles power outlet or you can use its rechargeable battery and be taken with you. It receives warnings wirelessly from the Radar(X, K, KA, KU) dialed into the set frequencies used by law enforcement to reduce false alerts and receives signals from the super-high-power diode laser diffusers that work against variable pulse rate(VPR) laser guns.

1. Wipe windshield with cleaner.
2. Remove sticker cover and press the hook against windshield.
3. Hang NDR-23 on the bracket. Try to insert the hook all the way to the end. Adjust angle and fasten the screw.

Hide behind Sun Shield

Wrap around Mirror Neck

Tuck in Trim of A Pillar

Hide under Carpet

4. Organize the wire as shown above.
5. Plug in cigarette lighter plug. It can accommodate a 12~24V power source.

6. Optional installation can be done by a trained ASE certified technicians. **The power outlet adaptor is crucial to running the NDR-23. Do not cut the wire and hard wire it in.** The NDR-23 needs 5 volts and 12 volts to run the multiple components within.
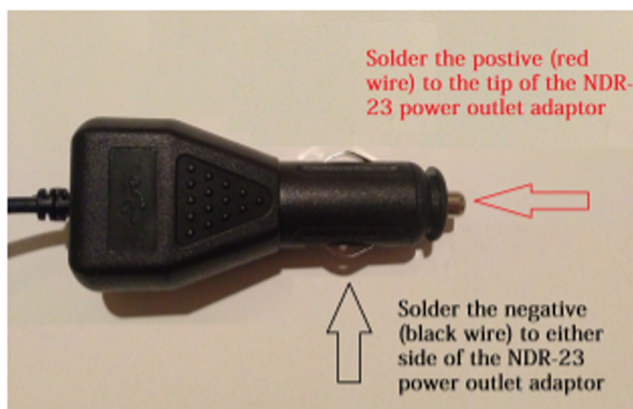
⚠ Warning Even though it is easy to install the unit, we still recommend you to find a professional to help if you don't feel comfortable doing it by yourself.

8. You can either buy a female adaptor which you can hardwire in then plug the power adaptor that comes with system in to it. (App-tronics does warranty this adaptation for install).

Female adaptor kit to hardwire your NDR-23 into your vehicle (Not Supplied)

9. Or you can solder as in picture below. (App-Tronics will warranty any adaptors that have been modified this way, only if done by one of our approved Authorized Dealers. we offer this information as a courtesy to those who need a hardwired solution to their installation of the Stealth Interceptor 2300is).

Solder the postive (red wire) to the tip of the NDR-23 power outlet adaptor

Solder the negative (black wire) to either side of the NDR-23 power outlet adaptor

Overview of NDR-23

POWER
RESET
EVENT RECORDING

DC-IN
MICRO SD CARD

MIC ON/OFF
MENU
BACK/EXIT
DISPLAY ON/OFF

BRACKET SLOT
SPEAKER
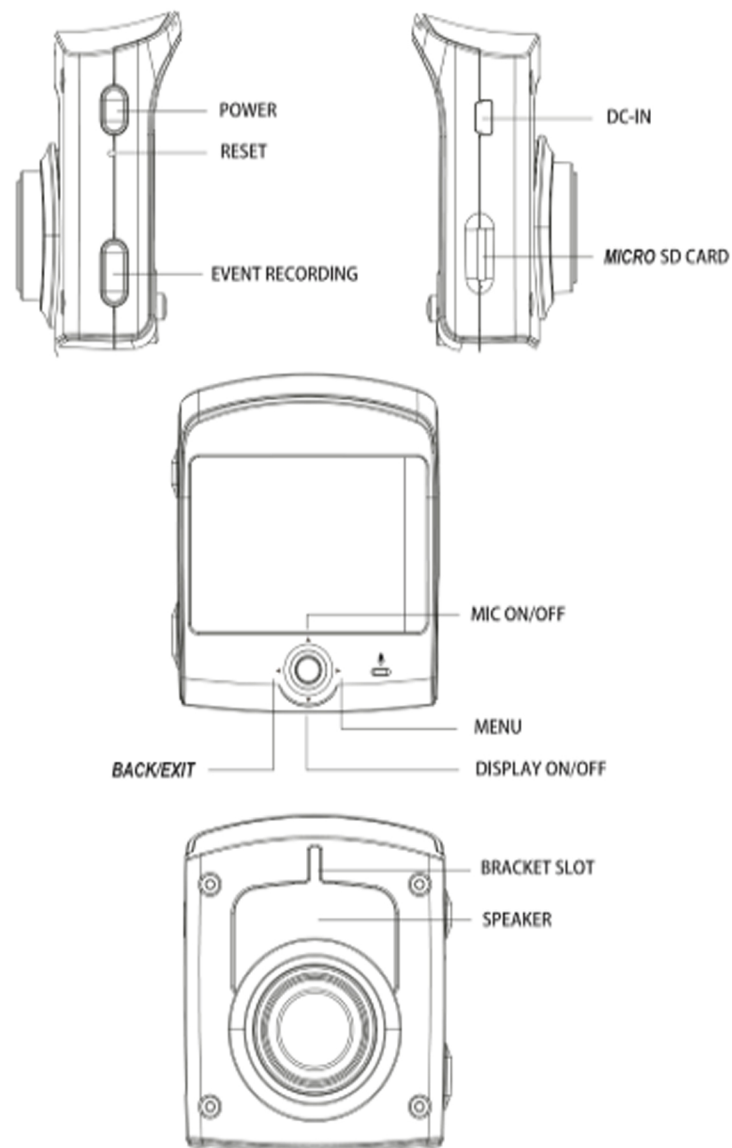
Main Features of the NDR-23

High Resolution

With professional optical lens, high quality night view is promised. Surroundings are well covered by 110° of viewing angle.

GPS Tracking with Speed Camera Warning

GPS warns you POI based speed cameras. Replay integrates real time tracking on Google Map. Radar detector is optional for mobile radar detection.

Event Recording

Click event recording button to save video without being overwritten

G-sensor records 3D 【X、Y、Z axis】 G-force simultaneously, and starts event recording when G-force exceeds threshold limit. Permanent files are limited to 10. Old files will still be replaced by new ones.

Fixed Pole Speed/ Red Light Camera Alerts

A voice alert is activated while you are approaching a camera spot whose coordination data is stored in the database. To minimize driver distraction, NDR-23 only reacts to cameras targeting the traffic flow you are in. The display will start to count down the distance to the spot, and a speeding alert will be activated if current speed is beyond the local speed limit in the case of approaching a speed camera spot. Speeding alert will change from "You are speeding." to "Please slow down!" if a radar signal is detected in a camera warning zone to raise extra awareness of a true threat, if you have the optional radar detector installed. You will hear a chime when the countdown reaches zero. The higher the speed limit is, the longer the countdown distance becomes.

Other POI based Warnings

A voice alert is activated when you are approaching a mobile speed camera spot, railway crossing, school zone and dangerous zone whose coordination data is stored in the database.

Built-in Speed Limit Map

NDR-23 "knows" the speed limit of the road you are currently driving on by a built-in speed limit map. NDR-23 activates its optional radar detector only when you exceed speed limit under Adaptive Threshold Mode.

Radar/ Laser Detection

NDR-23's optional radar detector detects X, K, New K, Super Wide Ka bands and laser. Please refer to the Specifications for more information. It also detect pulses shorter than what's generated by an Instant-on/Pulsed Radar.

Shake on Feature

Shake On feature. After the vehicle is powered off, NDR still keeps its G sensor powered on by its own battery. Once it is shaken, it wakes up and take one minute of video. The feature does not activate until 3 minutes after the car has been shut off. To allow time to exit the vehicle.

STS (Signal Tracking System, Optional)

Radar signals with increasing intensity will be tracked by NDR-23's optional radar detector, and the alert will not be interrupted by temporary interference to hold user's awareness of a true threat.

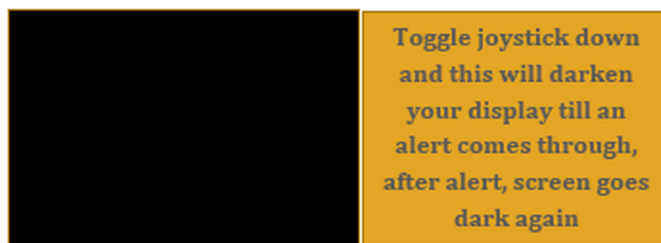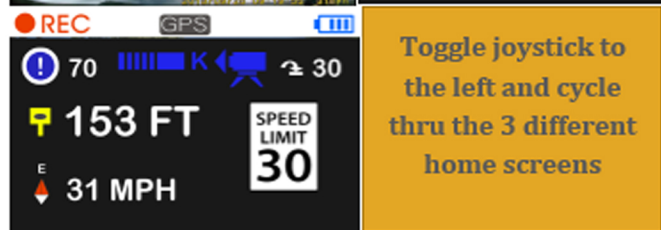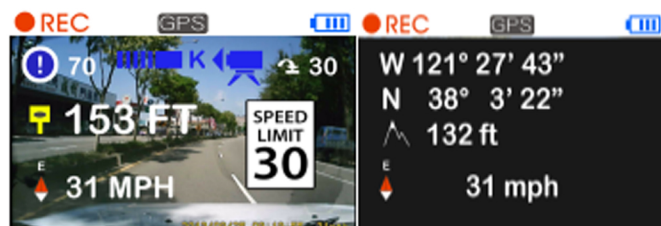# Getting Started / Display / Replay

Getting Started

1. Insert a SD card (maximum 32G) into DR-1.
2. Format the SD card by selecting Formatting from   main menu.
3. ●REC blinks while recording.
4. After satellites are connected, GPS stops blinking.

Record
Redar Signals
Satellite Connection
MIC On/Off
Battery

Compass

Speed Limit

Radar Mode
Align to hook edge.

Date/Time
Vehicle Speed
POI Distance Counting Down

Replay

1. Hold central stick, the device stops recording.
2. Select video clip by pushing stick left or right.
3. Click the stick to play or stop.
4. Click EVENT RECORDING BUTTON to exit.
5.

Toggle joystick to the left and cycle thru the 3 different home screens

Toggle joystick down and this will darken your display till an alert comes through, after alert, screen goes dark again

Push central stick to the right to enter menu, click it to confirm and Push it to the left to exit.

	Time	Adjusting Time
	Format	Formatting SD ☐ Yes ☐ No
	Beep	☐ On ☐ Off
	REC	Recording Sound ☐ On ☐ Off
	Language	Language
	Display On/Off	☐ Always on / ☐ Off after 15 sec. / ☐ Off after 3 / ☐ Off
	G-Sensor Sensitivity	☐ L ☐ M ☐ H ☐ Off
	Time Tag	☐ On ☐ Off
	Speed Tag	☐ On ☐ Off
	Display Opt	☐ View Finder / ☐ GPS Info
	Extended Recording	Recording after Plug-out ☐ Off / ☐ Recording for 15 sec. / ☐ Recording for 1 min. / ☐ Recording for 3 min.
	Vo	☐ H ☐ M ☐ L ☐ Off
	GPS Warning	☐ All / ☐ All Speed Cameras / ☐ Fixed Speed Cameras Only
	Speeding Warning	☐ Full Range / ☐ Half Range / ☐ Off
	Over speed War	Warning beyond preset speed
	Radar Option	No Threshold- Radar detector is always on. / Fixed Threshold- RD switches on only beyond threshold speed. / Adaptive Threshold- RD switches on only beyond local speed limit. / Threshold Speed 30~130km/h

X K KA KU   ☐ ON ☐ OFF

	Default	Resume Default Settings ☐ Yes ☐ No

Insert the Micro SD card provided into the computer and double click the ADR icon. ADR The below interface will appear. You can replay video from the SD card, delete locked files or save and share them from your computer. Go to App-Tronics.com for video demo on how to use your ADR player further.


Open
Snap Shot
Save
Delete
Tools
Reverse
Stop
Play
Forward

Volume

Loop
Rotate
KML
Map
G-Sensor
Repair
Unlock
Adjustment

Database and Firmware Update

1. Download the latest firmware from our web site (www.app-tronics.com), and save it on the desktop.
2. Insert SD card into a computer, then open   .
3. Click Tool button.
4. Click FW Update. Select the firmware file.
5. It will take a few seconds to upload new firmware to SD card.
6. Insert SD card into NDR-23.
7. Power on NDR-23 and hold central stick until the display shows FW Updating...
8. It will take a few minutes to upload firmware to NDR-23.
9. After uploading is done, click the central stick.
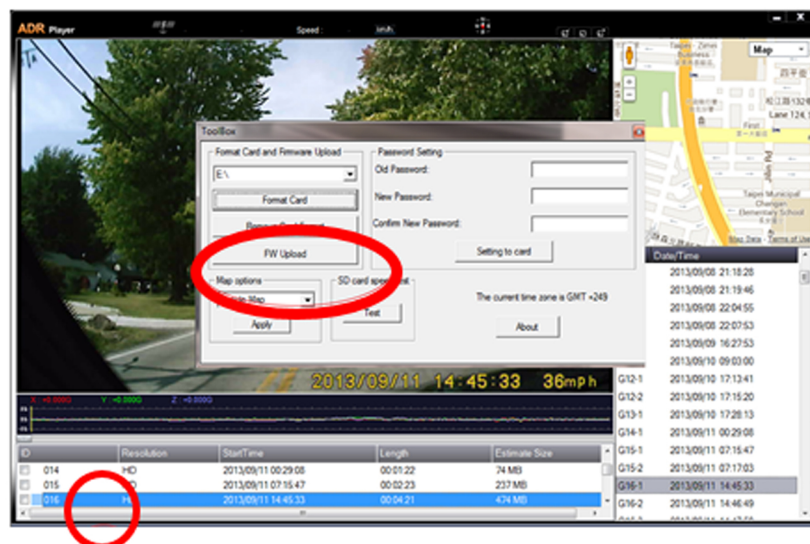
Specifications of components

NDR-23

1. Lens: F/2.8
2. Image sensor: 1.3M CMOS
3. View angle: 110°
4. Built-in lithium battery
5. 2.5''TFT LCD display
6. Compression format: M-JPEG(AVI)
7. Resolution: 1280*720@30fps
8. Media: Micro SD, Class6~10, up to 32G.
9. Loop, seamless recording.
10. Event recording button
11. 3 axes G-sensor
12. Language: 11 language supported
13. GPS: Latest GPS module
14. Google Map Integrated replay
15. Speed camera warning
16. Free database update
17. User programmable warning spots
18. Working temperature: -13 to 125 degrees
19. Input: DC12~24V
20. Dimension: 70*65*22mm
21. Weight: 97g
22. Material: PC/ABS

Radar Detector

Input: DC 12V
X band: 10.525 GHz ± 50 MHz
K band: 24.050-24.250 GHz ± 100 MHz
New K band: 24.125 GHz ± 100 MHz
KA band: 33.70 ~ 35.60 GHz
(Coverage can be adjusted in some regions.)
LASER: 905nm
Operation Temperature： - 13 degrees ~ + 125 degrees.

This device complies with part 15 of FCC rules: 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.

Laser Diffusers

Input: DC 12V
Laser Wavelength: 905nm
Operation Temperature： - 13 degrees ~ + 158 degrees

⚠ **Danger**

Stealth LaserL3 is a class 1M laser product. Never look at the Transponder closely while powered on!

App-Tronics Stealth Interceptor Warranty

Dealer Installed Matching Vehicle warranty up 5 years, for Authorized Dealers only. If you are an Authorized Dealer be sure to contact App-Tronics at 1-888-587-4111. To setup your Customer Installation Warranty information. All Warranty info will be sent to your customer direct from App-tronics.

For period of one year from the date of first consumer purchase, App-Tronics, LLC will, without charge, repair or replace, at its option, defective products upon delivery to an authorized Service Agent, accompanied by proof of the date of first consumer purchase from an authorized dealer, such as a duplicated copy of a sales receipt.

The customer has to pay shipping charges to deliver the product for service. The return charge will be at our expense, if the product is proven to be under warranty.

This limited warranty does not apply:

1.   To any product damaged by accident;
2.   In the event of misuse or abuse of the product or as a result of unauthorized alterations or repairs;
3.   If the serial number has been altered, defaced or removed.

All implied warranties, including warranties of merchantability and fitness for a particular purpose are limited in duration to the length of this warranty.

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App-Tronics and its licensors grant to the purchaser a non-transferable, non-exclusive license to use the software and data installed on our products and the related documentation solely for personal use only on such products.

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