

*App-Tronics motto "Details on their own can 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 the SmartNav 5 for the first time, you will appreciate the dedication the staff at App-Tronics has continued to give. Making SmartNav 5 the benchmark in applicational rear view mirrors that will never be challenged.*

# APP-TRONICS

WWW.APP-TRONICS.COM

## SMARTVISION



**APP-TRONICS**  
WWW.APP-TRONICS.COM

Mentor, Ohio

Printed in China

www.app-tronics.com

Copyright 2013



OPERATIONAL MANUAL

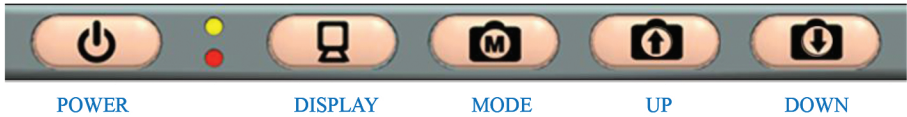
**DISCLAIMER:** Driver acknowledges that the media player is not to be used by the driver when the vehicle is in motion. Driver shall be obligated to notify anyone who takes over operation of the vehicle while the media player is turned on that it is not to be used by the driver when the vehicle is in motion. Driver acknowledges that he or she has been made aware of this .

DISCLAIMER BEFORE TURNING ON THE MEDIA PLAYER.  
THIS IS TO INCLUDE THE MISUSE OF ANY APPLICATION ON  
OUR PRODUCTS. THAT COULD CAUSE DRIVER  
DISTRACTION OR UNSAFE DRIVING. BY PURCHASING OUR  
PRODUCTS YOU AND YOU ALONE, NOT APP-TRONICS LLC  
OR ANY AFFILIATION OF APP-TRONICS LLC IS RESPONSIBLE  
FOR USING THE PRODUCT PURCHASED IN A SAFE AND  
PROPER MANNER THAT IS IN ACCORDANCE WITH STATE  
DRIVING LAWS WHERE OUR PRODUCTS ARE USED.

# SMARTVISION



## Buttons



Button	Short push	Long push:2-3 seconds
<b>Power</b>	Turns display on/off	Power on/off
<b>Display</b>	<b>Recording:</b> Start/stop recording Also turns display on when already off	Turns display on/off
<b>Mode</b>	<b>Recording:</b> Lock video 10s before and 20s after <b>Not recording:</b> Switches the mode between video/picture/file	<b>Recording:</b> no function <b>Not recording:</b> Menu/setting/exit
<b>Up</b>	<b>Recording:</b> Audio record on/off <b>Not recording:</b> up <b>Phone in status:</b> Switch on the phone <b>Talking status:</b> Hang up the phone	<b>Recording:</b> Audio record on/off <b>Not recording:</b> Switch between normal record/ motion record
<b>Down</b>	<b>Recording:</b> Switch between front and back camera input and split screen <b>Not recording:</b> Switch between front and back camera input and split screen <b>Phone in status:</b> Reject the phone	<b>Recording:</b> Bluetooth function on/off <b>Not recording:</b> Bluetooth function on/off

## Note:

1. When the SmartVision is recording, you must push the DISPLAY button to stop recording. You can then press the MODE button to enter the menu/setting.
2. If you want to automatically record, please insert the TF card before you power on.

## Functions

### The use of automatic recording function

Start the car engine and the SmartVision will automatically start recording (automatic recording function should be set to on). Turn off the car engine and the SmartVision will automatically turn off. The recorded image segmentation is preserved on the TF card. When the TF card storage is full, the recorder will overwrite the earlier recorded image.

[Note]

1. A recording time can be set in the menu in the range of 1, 3, 5 minutes or off.
2. Files are stored by A (front DVR) and B (rear camera) in folders "DCIMA" and "DCIMB" and each folder has subfolders for locked, normal (video) and photos.

### Manual recording function

Press the power button for 3 seconds and the SmartVision will start. To turn off the Smart Vision press the power button for 3 seconds.

### Using the camera function

Once the SmartVision is powered on, short press the camera button (mode) to go into the camera mode. This will display an icon (camera) in the top left corner of the screen.

To take pictures press the display button. To change back to the video mode short press the camera button 2 times.

### Motion detection function

In the standby mode, go into the menu/setting mode by long pressing the mode button. Change auto detect to "on" and when the lens picks up the movement of objects, the SmartVision enters the video state and when the lens senses no movement for 5 seconds it will stop recording. There will be an icon (person in motion) in the upper left corner when in motion detection mode. To exit or enter into the motion detection mode, long time press the up button.

[Note]

This setting is not saved and the next boot up will restore to video mode.

### Collision sensing function (G-sensor)

The SmartVision has a built-in collision sensor (G-sensor). In the event of a serious vehicle collision, the SmartVision will lock the incident and will record both 10 seconds before and after

the image when the G-sensor is initiated. An icon will appear in the bottom left of the display showing a lock icon. These images will save as a special file and this file will not be overwritten.

[Note]

1. These are stored in the DCIM folders under the subfolder "locked"
2. The collision sensor (G-sensor) has a sensitivity adjustment and can be set in the settings menu.

### **Key lock function**

The SmartVision has a key lock function, in order to retain the locked image and will not be overwritten. In video mode, short pressing the mode button will lock the recorder for 20 seconds, both 10 seconds before and after the image.

### **Date and time setting**

In standby state press the mode button to enter the "Settings" menu option. Enter the date and time settings: .short pressing the up/down buttons moves the cursor up and down.

[Note]

In order to effectively record the date and time as evidence make sure the correct date and time are set.

### **One key mute function**

When the SmartVision is powered on the icon bar on the bottom has a microphone icon. When the icon has a line through it, SmartVision is in mute and when not it is recording audio. Short pressing the up button turns the audio on and off.

[Note]

Settings are automatically saved after re-boot without resetting a mute function.

### **U disk mode**

The recorded data from the SmartVision is stored on the TF card and can be accessed through a card reader on a computer or Tablet. There are 2 folders: DCIMA (front DVR) and DCIMB (rear camera). Each folder has 3 subfolders: locked, normal (video), photos. Data can be copied or moved to storage on your computer and the card can then be reformatted if desired.

## **File playback**

With the Smart Vision powered on and in the standby mode short press the camera button until file mode. Press up/down buttons to find the desired file. Short press the display button to play/pause the file. To go back to video mode short press the mode button.

## **The GPS function**

The SmartVision GPS is automatically designed to turn on. If the GPS is not connected the icon will flash. The GPS signal may take up to one minute to locate satellites. Once the GPS indicator icon stops flashing, the GPS signal has been successful. When the video function is on, the traveling trajectory will automatically generate the GPS file.

[Note]

GPS file format is dependent on dealer request.

## **Reversing camera**

Reversing camera must be installed and wired. The video will automatically display the reverse camera image when the vehicle is put in R (reverse). Once taken out of R the SmartVision will automatically return to the record mode.

## **Bluetooth function**

When the unit is on, the screen has a Bluetooth icon in the upper right hand corner. In mode (video/camera/file) long press the down button to enter and exit Bluetooth mode. Blue color icon means the Bluetooth is connected. **Enter the search mode on your mobile phone and look for the Bluetooth name AECSDK\_01 and then enter the default password 0000 if prompted** (the recorder also supports Bluetooth automatic pairing). Once phone is synced music can be played from smart-phone playlist, calls will cancel music play.

**Specification**

<b>Hardware</b>	
CPU	A10 Melis OS
DDR	512MB DDRIII
NAND Flash	8GB
DISPLAY	5.0inch
Resolution	800x480
I/O interface	TF card: support up to 64GB 1 AV IN slot, included automatically reversed
Speaker	built-in
MIC	built-in
<b>Feature</b>	
Back Camera	support
GPS track	support
AV OUT	support
FM	no support
Take picture	support
Camera rotation	fixed wide lens
Bluetooth	support
Auto park camera	support
SENSOR	NT99141 200W
Angle of camera	120°
Format of video	MP4
Format of picture	JPEG
Code format	H.264
Battery	connect to the car battery
<b>Software</b>	
Language	support multi language
G-SENSOR	support
Motion detect	support
Delay for power off	support
Loop video	support
Audio record	support
Pic in pci	support
Record when parking	support
Front camera	NT99141: HD1280x720 (20~30f/s)
Back camera	D1 720X480 25f/s /HD1280x720 (25f/s) (Optional)
Resolution of Picture	Up to 5M