



Mini Dash Mount DVR with GPS
12/24 Volt
Part 0-776-60

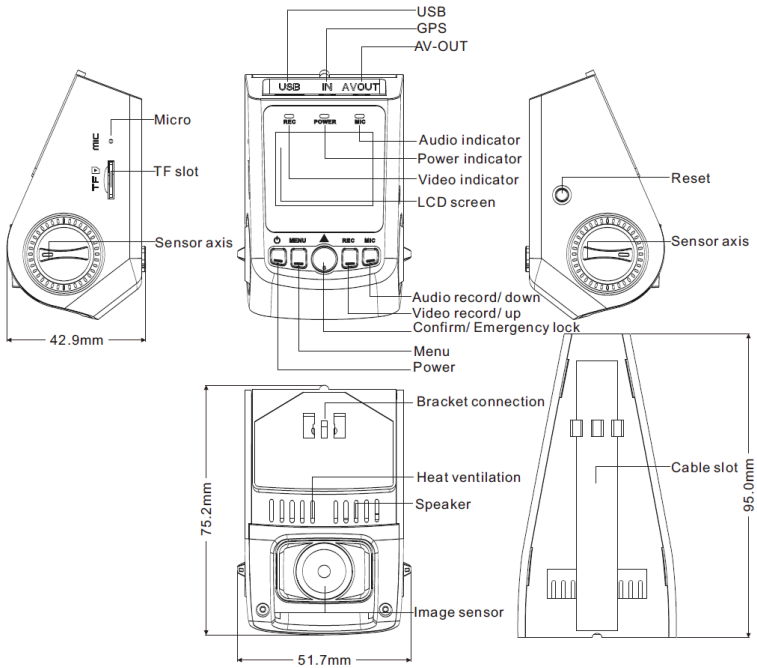
WARNINGS

Before using this unit please read these instructions carefully. Take special care to follow the warnings indicated on the unit itself as well as the safety suggestions listed below. Keep these instructions for future reference.



- * Please ensure you are familiar and comply with local traffic and driving regulations.
- * **Power Source** -The Mini DVR should be connected to a 12-24 volt DC power supply only.
- * **Water and Moisture** - Do not use the Mini DVR where it may be subject to water ingress or excessive moisture. Do not use outside the vehicle unprotected.
- * **Heat** - Do not install the Mini DVR near a direct heat sources.
- * **Ventilation** -The Mini DVR should be situated to allow free circulation of air.
- * **Foreign Material** - Care should be taken so that objects do not fall onto or into, and that liquids are not spilled on the Mini DVR.
- * **Mounting Surface** -The Mini DVR should be mounted to a strong secure surface.
- * **Replacement Parts** - Use only manufacturers replacement specified parts. Unauthorized substitutions may result in fire risk, electric shock or other hazards and will void the warranty
- * **Service** -The user should not attempt to service this units beyond that described in the operating instructions. There are no user-serviceable parts within the unit.
- * **Screen Protective Film** - Remove the LCD screen protective plastic cover before use.
- * **SD Cards** - Please format the card before first use. To ensure a good state of health please format the SD card every 4 weeks. Please ensure all sensitive data is backed up.

BUTTON LAYOUT



BUTTON FUNCTIONS EXPLAINED

1. <Power> Button

Function 1: Power on/off

In power-off state, press the <Power> button to power on this DVR. Then, the DVR begins to work automatically. In power-on state, press and hold the <Power> button for five seconds. Then, the DVR saves the video-recording file automatically and is powered off.

Function 2: Backlight

In power-on state, press the <Power> button to disable the backlight of the screen, and press any button to resume the backlight of the screen (This function only acts upon the backlight of the screen without affecting the videorecording function).

2. <Menu> Button

Function 1: Menu button

In standby state, press the <Menu> button to enter the function setting table of the main menu. Press the <REC> or <MIC> button to select the desired option, and press the <OK> button to confirm the selected option. After completing the setting, press the <Menu> button to exit the menu setting function.

3. <OK> Button

Function 1: Locking

During the video-recording process, press the <OK> button to save the video-recording data into a separate folder in the memory card. The files in the folder will not be overwritten cyclically.

[Note] In playback mode, a key-shaped icon in the miniature icon list indicates that the audio recording is locked.

Function 2: Photograph

In photograph mode, press the <Record> button to take photos.

Function 3: Confirmation

During the menu setting process, press the <OK> button to confirm the settings.

Function 4: Play

In playback mode, press the <OK> button to play video data and press the <OK> button again to suspend the playing of video data.

Function 5: Escape

In playback mode, press and hold the <OK> button for five minutes to switch the current interface to the recording interface.

4. <REC> Button

Function 1: Page up

In the menu setting and playback modes, you can press the <Up> button to scroll the page up.

Function 2: Fast Backward

In playback state, press the <REC> button to enter the fast backward mode.

Function 3: Video-recording

In standby state, press the <REC> button to begin to record, and press the <REC> button again to stop recording.

5. <MIC> Button

Function 1: Page down

In the menu setting and playback modes, you can press the <Down> button to page down.

Function 2: Fast Forward

In playback state, press the <MIC> button to enter the fast forward mode.

Function 3: Mode switching

In standby state, press the <MIC> button to enter the photographing mode, and press the <MIC> button again to enter the playback mode. On the playback interface, you can page up/down and press the <OK> button to select the desired file.

Function 4: Disable the audio-recording function

In recording mode, press the <MIC> button to disable the audio-recording function. Then, the MIC indicator is turned off. Press the <MIC> button again to enable the audio-recording function. Then, the MIC indicator is turned on.

6. <Reset> Button

If the DVR is crashed, press the <Reset> button to power off the DVR.

OPERATION GUIDE

A. Installing the DVR

1. Power off the automobile engine.
2. Insert the TF card (Micro SD) into the TF slot.
 - a. The 1080P format is adopted for the video-recording function, and a large amount of data is generated for the video-recording function. To prevent system crash, you are recommended to use a well-branded high-speed TF card (Class 6 or above) with a capacity of at least 4 GB. The TF card supports a maximum capacity of 32 GB.
 - b. **DO NOT REMOVE THE TF CARD WHILE IN OPERATION.** Be sure to remove the TF card after powering off the data recorder.
3. Secure the DVR to the front windshield of the automobile using the suction mount bracket or adhesive sticky pad.

[Note] You must mount the DVR in a safe place with ample light. Preferably, the DVR should be mounted on either sides of the rearview mirror. Before pasting and mounting the DVR, clear the impurities and moisture in the pasting position by using a clean and soft cloth.
4. Fix the power cable properly by using the cable slot and cable clip, preventing the line of sight from being affected.
5. Insert the in-vehicle charger into the cigar lighter of the automobile.
6. Insert the charging interface of the in-vehicle charger into the USB interface of the data recorder.
7. Adjust the angle of the data recorder, ensuring that the camera lens keeps level with the ground.
8. Start up the engine and check whether the DVR is mounted properly.
9. Ensure the GPS aerial is installed at the highest point in the vehicle ideally under the headlining, the cable is run suitably so it is not in the line of sight and the cable is plugged into the "IN" point as located on the "button layout" diagram above.

B. Function Description

1. Automatic Recording

After you start up the automobile engine, the DVR is automatically started and the recording function is enabled. In addition, the system indicator and power indicator are turned on, and the REC indicator on the screen blinks. After you turn off the automobile engine, the DVR saves the recorded content automatically and is powered off. The recorded images are saved segment by segment in the TF card. When the TF card saves recorded images at full capacity, the data recorder overwrites the early recorded images.

[Note] a. You can set the time period of recording in a menu. The time period can be set to 1 minute, 3 minutes, and 5 minutes. The default time period is 3 minutes.

2. Manual Recording

Press the <Power> button, and then the DVR is powered on and begins to record data automatically. Press and hold the <Power> button for 5 seconds, and then the DVR saves the recording data automatically and is powered off.

3. Photographing Function

In standby state, press the <MIC> button to enter the photographing mode. Then, the icon in the upper left of the screen is changed from a video camera to a still camera. You can press the <OK> button to take photos. To switch back to the video-recording mode, press the <MIC> button and press and hold the <OK> button for five minutes.

4. Motion Detection Function

In standby mode, press the <Menu> button to enter the setting menu. Press the <Down> button to move the cursor to the <Motion Detection> option, and set its state to <On>. Press the <REC> button to enter the motion detection mode. If the lens senses a moving object peripherally, the data recorder enters the video recording state. If the lens does not sense any moving object within 60 seconds, the data recorder stops video recording. To exit the motion detection mode, enter the menu again, and set the state of the <Motion Detection> option to <Off>. If you need to use the motion detection function for a long period, purchase portable power supply separately.

5. Collision Sensing

The DVR is fitted with a built-in collision sensor (G-sensor). In case of severe vehicle collision, the DVR locks the image data generated at the time of the accident, and displays a lock icon in the middle of the screen.

The collision sensor (G-sensor) supports sensitivity adjustment. By default, sensitivity adjustment is <Off>. You can change the sensitivity settings as needed in the setting menu.

6. Date and Time Setting

In standby state, press the <Menu> button twice to enter the system setting menu. Press the <Down> button to move the cursor to the <Set the date> option. Press the <OK> button to confirm it, and enter the <Setting> menu.

Press the <Up> and <Down> buttons to select values, press the <Menu> button to proceed to the next option, and press the <OK> button to confirm the option and then exit.

[Note] To effectively record the date and time of obtaining the evidence of the traffic accident, set a correct date and time before using the DVR.

7. USB Mode

Connect the data recorder to the USB interface of a PC by using a data cable. Then, the screen displays two modes: memory and camera. Press the <Up> or <Down> button to select the <Memory> option.

Press the <OK> button to enter the USB flash disk mode.

When you use a PC to copy a video-recording file, it is recommended that you use a card reader to copy the video-recording file in the TF card to the PC.

8. Playback of Recording File

In power-on state, press the <MIC> button twice to enter the playback mode. Press the <Up> or <Down> button to find the desired type of file, and press the <OK> button to play back the file.

9. PC Camera

Connect the data recorder to the USB interface of a PC by using a data cable. Then, the screen displays two modes: memory and camera. Press the <Up> or <Down> button to select the <Camera> option.

Press the <OK> button to enter the PC camera mode.

After a driver is installed in the PC, <My Computer> displays the camera icon. Double-click the camera icon to turn on the camera.

10. Night Vision Capability - 5-8 Meters to read a number plate.

11. Password Control - Press Menu. Input Password '1234' Using 'Mic' and 'Rec' for up and down. Press middle button for 'OK'. Once you are on the main menu you can scroll down to 'password set' to change the password. Input your desired password and select OK.

SPECIFICATIONS

Built-In Imaging Sensor.....	Sony IMX323 3.0 Megapixel
View Angle.....	170 Degrees
Shooting Resolution Rate.....	FHD1920x1080 and HD1280x720
Frame Rate.....	30FPS@HD1080P and 60FPS@HD720P
Video Compression Format.....	H.264
Video Output Mode.....	NTSC/PAL
Screen Size.....	1.5-Inch
Storage Temperature.....	-20°C to +70°C
Operating Temperature.....	-10°C to +60°C
Operating Humidity.....	15% to 65% (RH)
Max Memory Card Capacity.....	32GB
Memory Card.....	Micro SD (TF Card)
Standard Voltage.....	DC5V (Output) - 12V/24V (Input)
GPS.....	YES
G Sensor.....	YES
USB Cable Included.....	YES
12/24V Cigarette Cable/Plug Included.....	YES
Certificate.....	CE

GPS SOFTWARE IMAGE

The image below is to show an example of the features available in the software provided with this mini dash mount DVR. The software shows the location of the vehicle via GPS. It also shows the speed and the G Force upon the vehicle as it travels. There are many features within this software to help analyse any journey recorded by the DVR and could be used as evidence in the event of an accident.

The screenshot displays the GPS software interface, which is divided into several sections:

- Top Section (Dashcam View):** Shows a live video feed from a dashcam. The timestamp "08/05/2013 16:39:00" is overlaid on the top left. A blue car is visible in the foreground, and a white van is in the background. A logo on the right side of the dashcam view reads "Observe to ensure safety!" with an eye icon.
- Bottom Section (Map):** A map view showing the vehicle's current location and a recorded route. The map includes street names like "Spartan Way" and "Gill Road". A toolbar on the right side of the map includes options for "Home", "Zoom", "Date, time", "Tip", "Link", "Map", "Resolution", and "Name".
- Right Section (Data Table):** A table with columns labeled "S" and "G". The "S" column contains numerical values representing speed, and the "G" column contains numerical values representing G-force. The data points are as follows:

S	G
0.00	0.00
0.09	0.18
0.20	0.18
0.30	0.18
0.40	0.18
0.50	0.18
0.60	0.18
0.70	0.18
0.80	0.18
0.90	0.18
1.00	0.18
1.10	0.18
1.20	0.18
1.30	0.18
1.40	0.18
1.50	0.18
1.60	0.18
1.70	0.18
1.80	0.18
1.90	0.18
2.00	0.18
2.10	0.18
2.20	0.18
2.30	0.18
2.40	0.18
2.50	0.18
2.60	0.18
2.70	0.18
2.80	0.18
2.90	0.18
3.00	0.18
3.10	0.18
3.20	0.18
3.30	0.18
3.40	0.18
3.50	0.18
3.60	0.18
3.70	0.18
3.80	0.18
3.90	0.18
4.00	0.18
4.10	0.18
4.20	0.18
4.30	0.18
4.40	0.18
4.50	0.18
4.60	0.18
4.70	0.18
4.80	0.18
4.90	0.18
5.00	0.18
5.10	0.18
5.20	0.18
5.30	0.18
5.40	0.18
5.50	0.18
5.60	0.18
5.70	0.18
5.80	0.18
5.90	0.18
6.00	0.18