



UBB-4.0 MOBILE DVR SYSTEM

USER MANUAL

Congratulations on your choice of a Crimestopper Mobile DVR System.

This installation book is designed for the installer or individual with an existing understanding of automotive electrical systems, along with the ability to test and connect wires for proper operation. To ease installation, we suggest that you READ THIS MANUAL before beginning your installation. This book is provided as a GENERAL GUIDELINE and the information contained herein may differ from your vehicle.

DISCLAIMER:

Crimestopper Security Products, Inc. and its vendors shall not be liable for any accident resulting from the use of this product. This system is designed to be professionally installed into a vehicle in which all systems and associated components are in perfect working condition.

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Monday - Friday 8:00am - 4:30pm Pacific Time

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REV 3.2009

1. Contents

1. Car DVR Box x 1
2. 1 GB SD Card
3. IR cable x 1
4. Remote Controller x 1
5. Power Cable x 1
6. English User Manual x 1



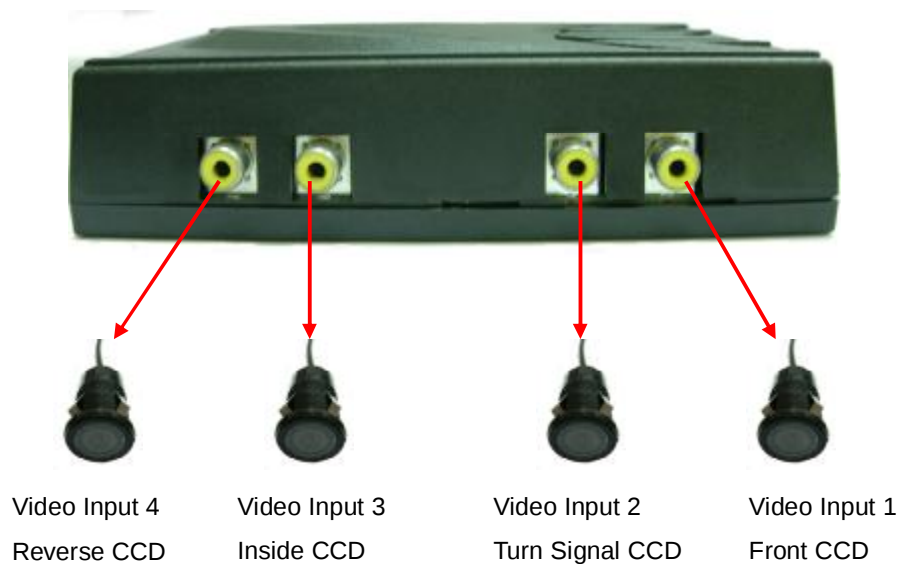
2. Installation

Input/Output Ports

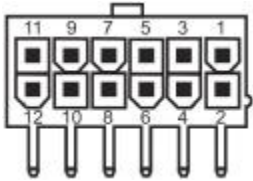
Front View



Back View



Power Port Description

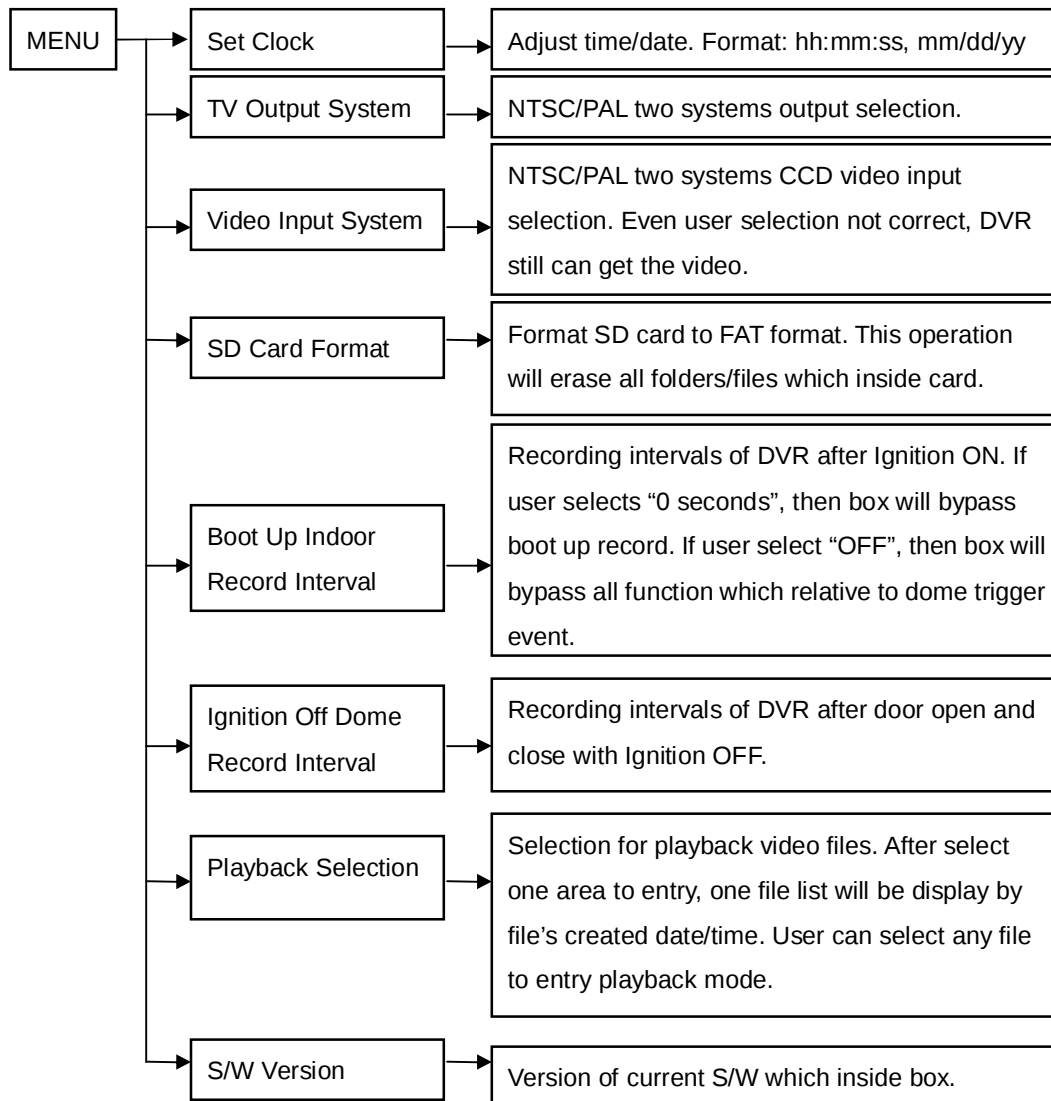
Power Connect	Description
	1. YELLOW -----TO BATTERY IN.
	2. RED -----TO ACC IN.
	3. BROWN -----TO DOOR TRIGGER (-).
	4. BROWN/WHITE-----TO DOOR TRIGGER (+).
	5. GREEN -----TO HANDBRAKE.
	6. BLUE -----DC 12V OUT (200mA).(Connect indoor camera power)
	7. WHITE -----TO PARKING LIGHT.
	8. WHITE / RED-----TO REVERSE.
	9. PINK/WHITE-----NC.
	10. PINK -----NC.
	11. BLACK -----TO GND.
	12. BLACK -----TO GND.

Remote Controller Key Function



Item	Function	Description
-1-	POWER	Toggle key to switch power ON/OFF.
-2-	MENU	Press to enter system setup.
-3-	EXIT	Press to exit Menu.
-4-	OK	During Menu Mode, press to confirm selection and enter sub-selection.
-5-	RESET	Toggle key to force switch to record V3 (indoor camera) and back to original camera record. With ignition ON, press reset button to switch V1 to V3.
-6-	p q	During Menu Mode, selection up/down operation. During Normal Mode, Press p (2x) to Zoom in. Press q (2x) to Zoom out.
-7-	t u	During Menu Mode, selection left/right operation.

Menu Structure



DVR Operation Algorithm

(1) ACC On Before Door Open: **Boot Up Indoor Record Interval: Default = 0 seconds**

Choices = 0 seconds / 10 seconds / 20 seconds / 30 seconds / OFF (No Dome Trigger)

Force to record indoor CCD (V3) for user specify time interval and then switch to front CCD (V1).

Every 5 minutes will generate one new video file to record contiguously.

(2) Door Open without ACC On: **Ignition Off Dome Record Interval: Default = 30 seconds.**

Choices = 30 seconds / 1 minute / 2 minutes / 3 minutes

Start to record indoor CCD (V3) for user specified time interval. If ignition turned on during this period, the DVR will start Boot Up Record function immediately (see item (1)).

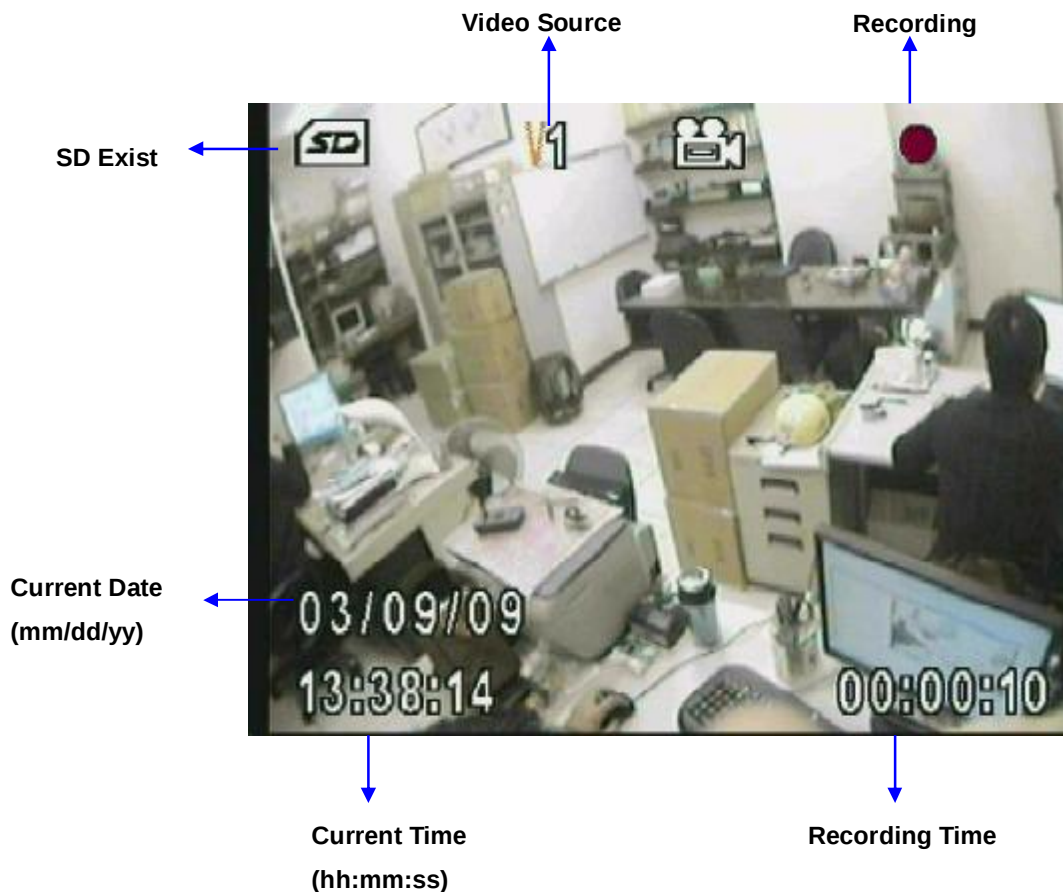
(3) Event Trigger:

- (a) Handbrake Event On: This event will stop current recording operation immediately and let the video source still output (Watch only not record).
- (b) Handbrake Event Off: This event will let recording operation resume.
- (c) Turn signal light on event: This event will switch to turn signal CCD (V2) immediately and start recording. Every 3 minutes generate one file.
- (d) Turn signal light off event: This event will switch back to V1 immediately and start recording V1.
- (e) Dome light on event: This event will switch to V3 immediately and start recording. Every 5 minutes will generate one new video file.
- (f) Dome light off event: This event will let DVR record V3 extra 10 seconds then stop record. Then switch back to V1 immediately and start to record V1. But if user select zero seconds in (**Boot Up Indoor Record Interval**), box will switch back to V1 immediately after closing the door.
- (g) Reverse on event: This event will switch to reverse CCD (V4) immediately and start recording. Every 3 minutes generate one file.
- (h) Reverse off event: This event will switch back to V1 immediately and start recording V1.
- (J) Reset Key event: DVR will force to switch to record Indoor CCD (V3) when user press reset key on remote controller in any recording mode. Reset key must be pressed again to stop recording or turn ignition off..

DVR Specification

- (1) Power: Input voltage support 9-36V DC, power consumption 2.7W(12V), standby current is 10mA.
- (2) DC 12V output: We support one DC 12Volt/200mA output to dedicate to connect indoor CCD (V3) power. DVR Box can control the V3 camera power on when dome open at ignition off. Otherwise, the V3 camera will no power to let it working when ignition off.
- (3) SD card: Right now we only support maximum 4GBytes standard SD card only. SDHC Card Not Supported. We suggest no using the mini-SD or Micro-SD card plus SD-socket with system. The minimum SD card size should be more than 512 bytes.
- (4) Recording method: Right now we use mpeg4 Simple Profiles to record video. We don't support Motion-JPEG format at this moment. Right now we only support QVGA/**30 frames resolution**.
- (5) Recording file format: We use the Microsoft Windows Media Advanced Systems Format (*.asf) to be the file format. Please use windows media player version 9 above to play this file on the PC.
- (6) File Structure: The DVR system will make 4 folders inside SD card. You will see 4 directories:
 - FORWARD – Front Camera - Folder will use 40% SD card capacity.
 - REARWARD – Back Camera - Folder will use 20% SD card capacity
 - SECURITY – Indoor Camera - Folder will use 30% SD card capacity.
 - TURN_SIG – Turn Camera - Folder will use 10% SD card capacity.

3. System Icon Description



4. MENU OPERATION

Press **MENU** key to enter System setup. Setup the correct values according to your requirements. After setup is finished, press **EXIT** key to memorize and Exit Menu. If **EXIT** key is not pressed to leave, the DVR will not memorize the value which user changed.

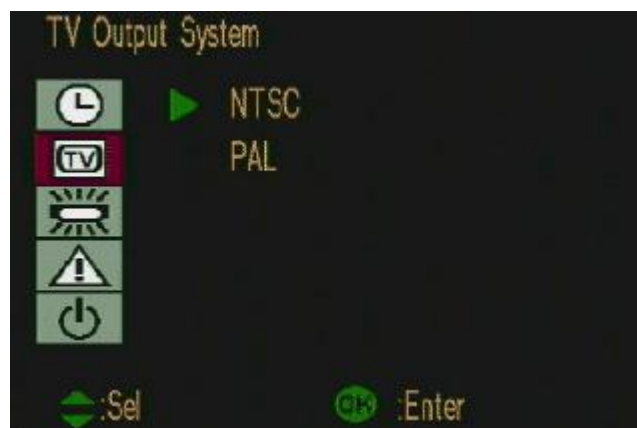
Set Clock

Under Set Clock item, press **OK** key to enter Clock Adjust. Please use **p q** key to adjust the value and use **t u** key to change another item. One by one item to setup until back to Set Clock item picture.



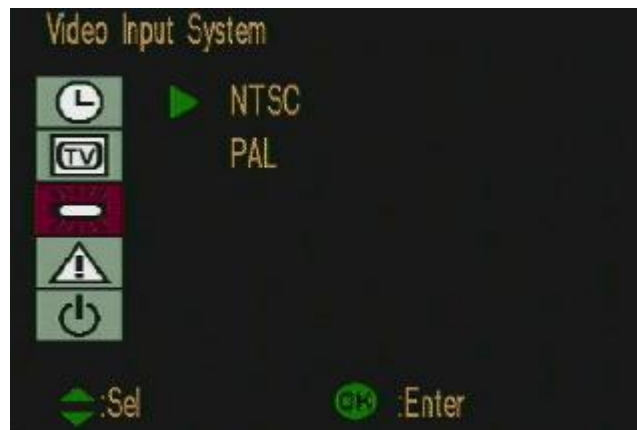
TV Output System

User according to their car monitor TV system type to setup the correct system. Otherwise maybe will display not correct in monitor. Default value of this item is "NTSC".



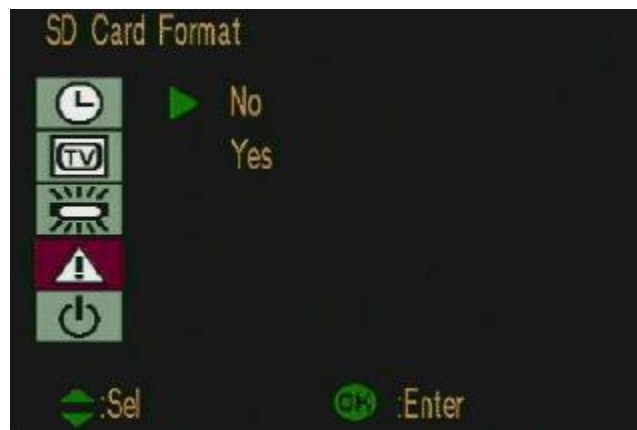
Video Input System

Please setup correct format according to their CCD camera TV system . Even with setup not correct, box still can get the video in, but image quality maybe not good. Default value of this item is “NTSC”.



SD Card Format

User can use this function to format SD card to our box needed format. This operation will erase all files which inside SD card. In general, user don't need to use this item to format if use whole new SD card.



To avoid erasing all files, we need to re-confirm this action once. You need to press “MENU” key to confirm format active. Otherwise, press “EXIT” to cancel this action.





Boot Up Indoor Record Interval

The DVR will record the Indoor camera (V3) for time interval of this value after Ignition on (ACC ON). If user selects "0 seconds", the DVR will bypass Boot Up Indoor Record (record V1 immediately after ignition on). If you select "OFF", that means box will bypass all door trigger event function. That means box will not record indoor camera any more when door open/close. **Default value = 0 seconds.**



Ignition Off Dome Open Record Interval

The DVR will record the Indoor camera (V3) for interval of this value after door is open and close with the ignition off (ACC off). After time interval passed, box will power off immediately. **Default value = 30 seconds.**



Play Back Selection

In this selection, you can playback video files directly from the DVR without removing the SD card. You need to select which area to playback.



After selecting the area which you want, the DVR will create the file list which in this area. Box will use the file's name and record start data/time to be the file list.



Press the Up/Down key to move cursor to select file, and press "OK" key to start playback of current selected video file.



You can press "RIGHT" key to Fast Forward current playback video. We support X2 and X4 two speed modes to fast forward. Same operation with rewind by press "LEFT" key. If playback Fast Forward or Rewind to the end of the file, box will playback again from video start in normal speed.

EXAMPLE:

Normal speed → press right key → 2X speed → press right key → 4X speed → press right key → normal speed.

Normal speed → press left key → -2X speed → press left key → -4X speed → press left key → normal speed.



S/W Version

This page displays the software version of the DVR.



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