5.8G/ Wireless FPV DVR
User Manual



5.8G/2.4G/ 1.2G Wireless FPV DVR

Thank you for purchasing this product. This handbook can lead you to use our product and the applied program of its adding.

NOTES

1. We try our best to make the content correct and complete, but it can't certify that there is no any mistake and omit of the introduction.
2. Our company is only responsible for maintaining and repairing the problem of itself existing. We aren't responsible for personal data deleted and lost caused by wrong operation, product repair or other case. We are also not responsible for any other indirect loss caused by this.
3. Any modify of software, hardware, introduction of this product will not be notified separately, and our company owns the final explanation rights.

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Notes

Dear customers, thank you for choosing our products. We really hope our products can bring happiness to you. Please read the following instructions carefully before using:

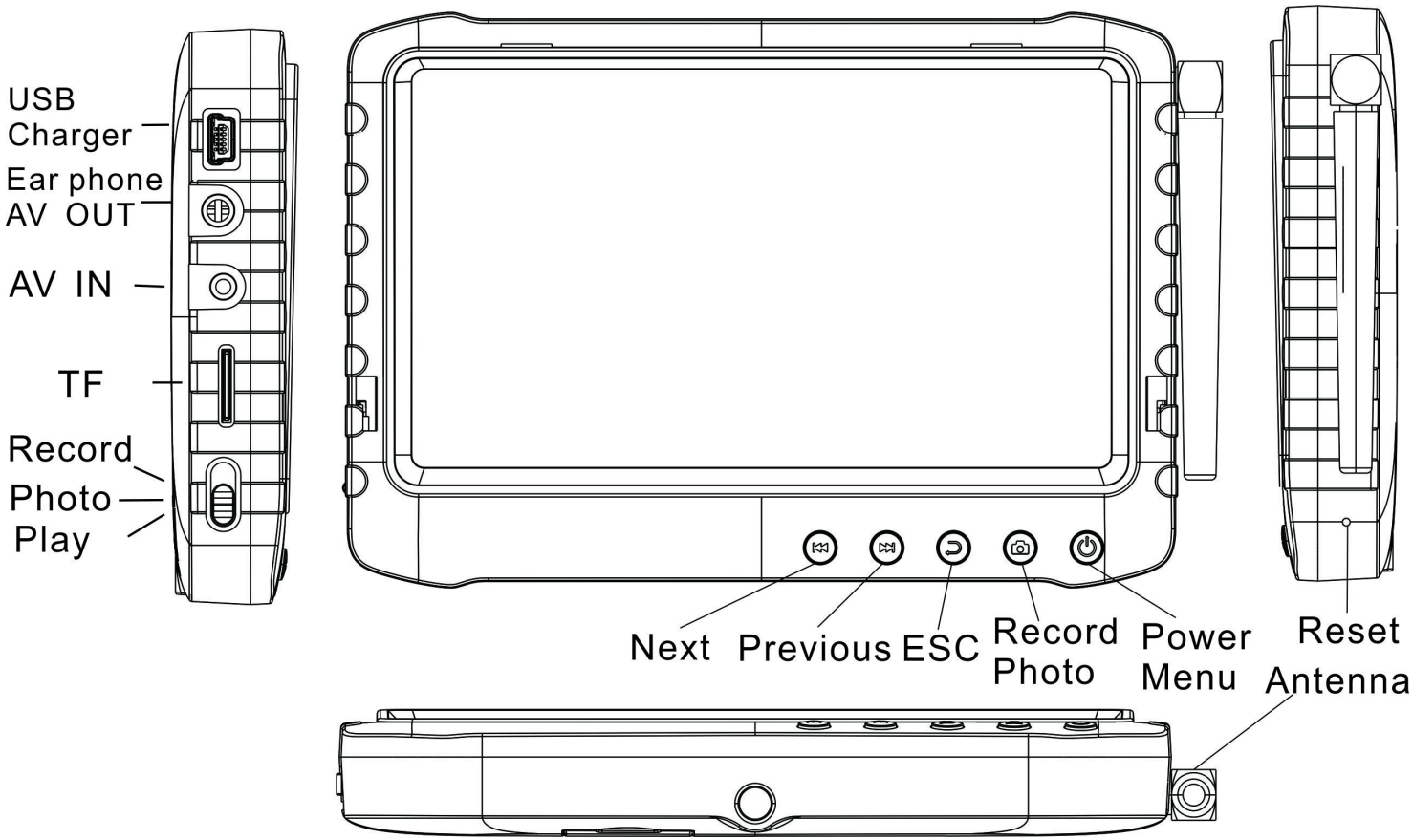
- Forbid to use it in high temperature, high humidity environment, especially in the bathroom with high temperature. 0~40℃ is the best working temperature for DVR.
- Avoid putting DVR at the place where the sunshine penetrates directly.
- Please inserting or pulling out the SD card after DVR power off. If under working state, the huge current will bring unpredictable damage to the machine.
- Put it in the place where the children are not able to touch, in case it falling down or against sharp objects, which will bring serious damage to the machine.
- Please don't dismantle the DVR without authorization. If any query, please contact with the distributor or our company.
- Please don't change or poke the battery. If put the battery into fire, it will explode and hurt people.
- Please don't use it as driving or doing the work, which need your high attention.
- We suggest customer to copy the data in case any loss caused by unstable power supply. Otherwise our company will not be responsible for any damage.
- When inserting SD card, please make sure the inserting direction is correct. Otherwise it will damage the card slot, which users need to bear it by themselves.
- DO NOT use this product to violate others' privacy. Monitoring others' activities without consent is illegal and this product is not designed and manufactured for such purpose;
- DO NOT use this product for any illegal activities. We shall not be responsible for any consequences of illegal acts committed by the user.

Basic Information

Basic Information:

- **Display:** 5-inch HD screen (800X480pix).
- **Wireless Receiving：** Built-in 5.8G/ 2.4G/1.2G wireless receiving module.
- **Channel Switch：** Supports 32 channels, a key to auto scan to lock channel.
- **Antenna**: Folding SMA antenna assures excellent wireless receiving.
- **Recording**: Supports seamless cycle and continuous video from wired/wireless cameras
- **Photo：** Supports function of taking pictures either from wired or wireless cameras.
- **AV IN：** TV-IN [NTSC / PAL].
- **AV OUT：** [NTSC / PAL].
- **Battery：** Built-in 3200mAh high capacity Li-battery.
- **Speaker**: Built-in speaker of 1W.
- **Storage:** Supports up to 32GB TF card.
- **Language:** Supports multi-language.
- **Supports Power-saving Mode**: automatic shutdown, automatic off-screen.
- **Automatic upgrade**: Supports system automatic upgrade.
- **Sunshade Cover Provided:** Screen video can be viewed clearly under sunshine.
- **Screw-socket**: 1/4 inch standard screw socket.

Buttons & Interface



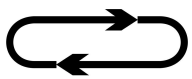
Tips for symbols



Recorder



Bhoto



Circular Recorder



SD Card



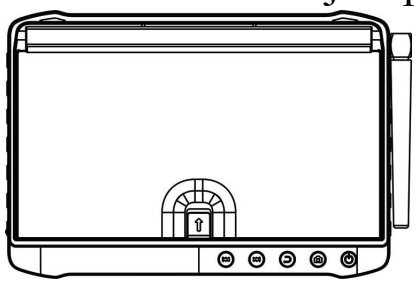
Battery

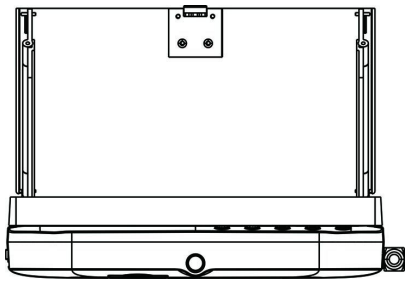
Loading & Unloading of Sunshade Cover

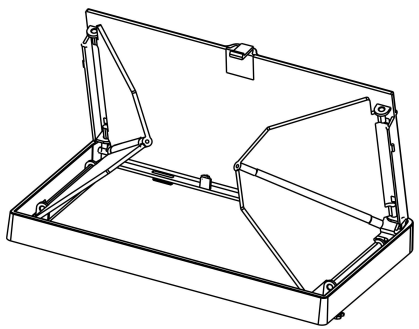
Loading & Unloading Methods of Sunshade Cover

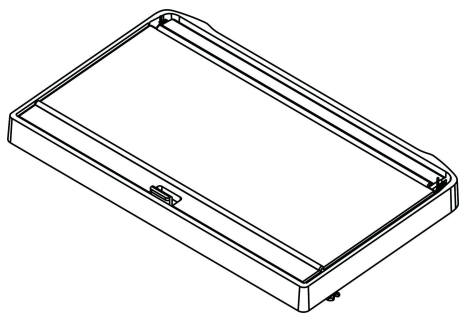
The bottom of sunshade cover is provided with 4 buckle pins. Please aim them at the button holes on DVR and push gently; it's loaded in place. If need to unload it, just gently push it to the opposite direction.

Open operation of the sunshade cover: just push up the button in the middle of cover; it pop open.









How to Charge

1. Notice before operation

   Battery capacity symbols:



Tips: The possible reason for being unable to power on DVR is battery running out. Please operate it after charging by AC adapter or PC.

2. How to charge

Charge 4~6 hours for fully charged. Unplug the charger until the battery status is full.

Notice:

A. This charger is for this machine use only. Do not leave the charger in humid place. Unplug the charger and keep it well after charging. Do not repair, break down or remake the charger.

B. For better performance, please charge the brand new machine for more than 6 but less than 10 hours for the first time. New battery will reach best performance after a few times full charge and discharge.

C. If no need to use in a long time, it's recommended to charge the DVR every 2~3 months and then keep it after switch off.

Basic Operation

1. Power On/Off:

Press "⏻" to power on, DVR is on working state; long time press "⏻" again to power it off.

2. Selection of wired/wireless receiving mode:

Plug in wired camera, DVR automatically switch to wired receiving mode; pull wired camera out, DVR automatically comes into wireless receiving mode.

3. Working mode switch (switcher located at the left corner**):**

When it switches to "📹", DVR is in state of receiving/record;

When it switches to "📷", DVR is in the state of take photo;

When it switches to "▶", DVR is in the state of playback.

4. Automatic scanning to lock channel

The DVR is in "auto" scan mode default. Press "⏻"start scan from A1 to D8 one by one, then it locks the strongest signal channels. Please press "⏮"/"⏭"to choose and lock the channel.

5. External Storage card

Only after storage card being plugged in, this DVR can record, photo. Screen will show symbol of SD card & its left capacity.

6. Working as a U-disk

Connect DVR to computer and power it on, it will work as a U-disk. Open the removable disk in the computer, you'll find the videos and photos in " RECORD" and " PHOTO" files under "DICM" directory.

Record & Photo

Power DVR on, and select working mode to "", it is in recording/photo mode.

1. Record: Under "" mode, press "" , DVR start to record, and screen shows "REC". Press ""again to pause, screen shows "II"; press "" one more time, it continue to record. Press "" to end, it will save automatically and exit. If not press "", the system will automatically save video in segments until storage card is full.



2. Photo: Under "" mode, press "" once, screen flashes once, and get one picture.



While if “Overwrite” is turn on, not press “” to end recording, system will automatically save video in segments. And when the card is full, it will overwrite the earliest recording and save the latest one, keep cycle recording.

3. Mute/Sound: Under “” mode, it is mute, press “” to enter state of sound. Press “” again Screen displays “MUTE”. Speaker no sound;

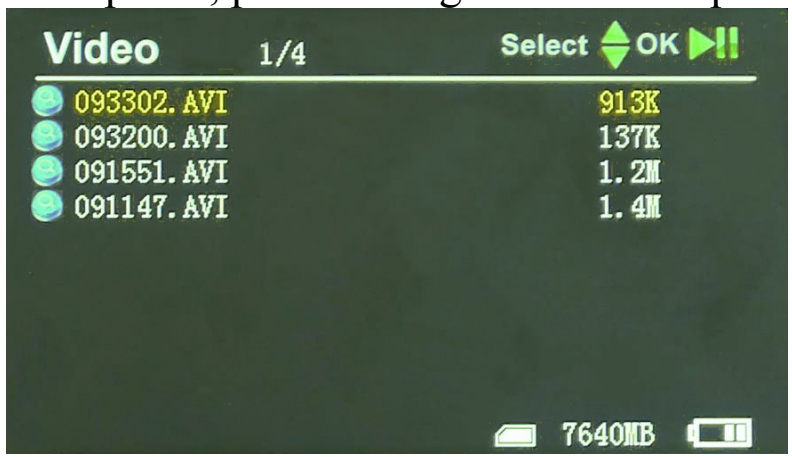
Note: Mute setting will not affect earphone.



Play Video/Photo

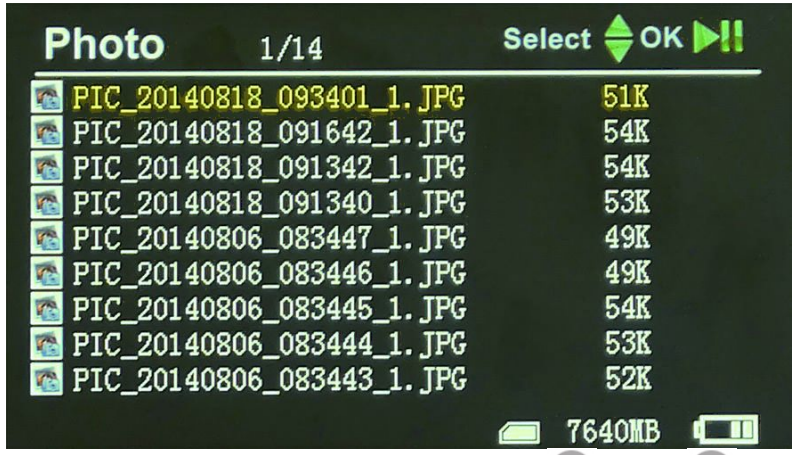
When working mode selected to “”, it’s in the mode of play video & photo. Press “” / “” to select “Photo” or “Video”. Press “” to exit and back to main menu.

1. **Play Video**: When select “Video”, press “” to enter into date folder. Press “” / “” to select date, and press “” to enter into time phased video files. Press “”/“” to select, and press “” to play video. Press “” / “” to adjust volume. Press “” long time to fast forward; press “” long time to rewind; press“” to pause; press“” again to release pause; press “” to exit.

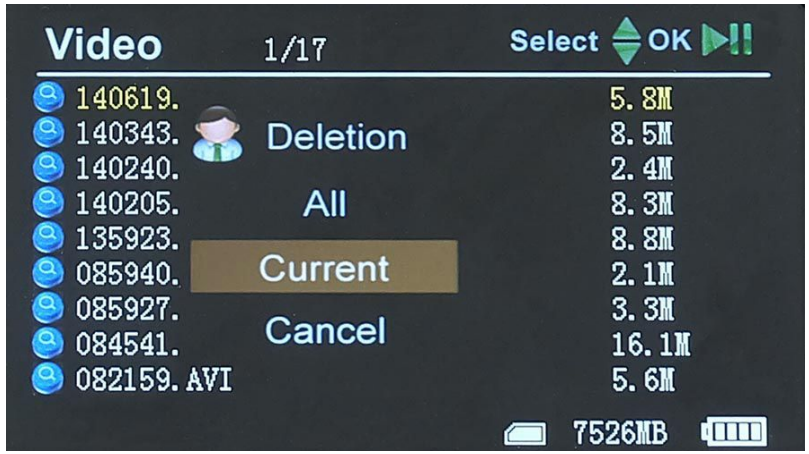


Play Video/Photo

2. Play Photos： Select “Photo”, and press “” to enter into photo files. Press “” / “” to select pictures, then press “” to view. Press “” to view next one; press “” to view previous one. Press “” to exit.



3. Delete Photo &Video： Under working mode, press “” / “” to select files. Press “” to get a dialogue. Press “” / “” to select “All/Current” / “Cancel”.，Press “” to confirm.

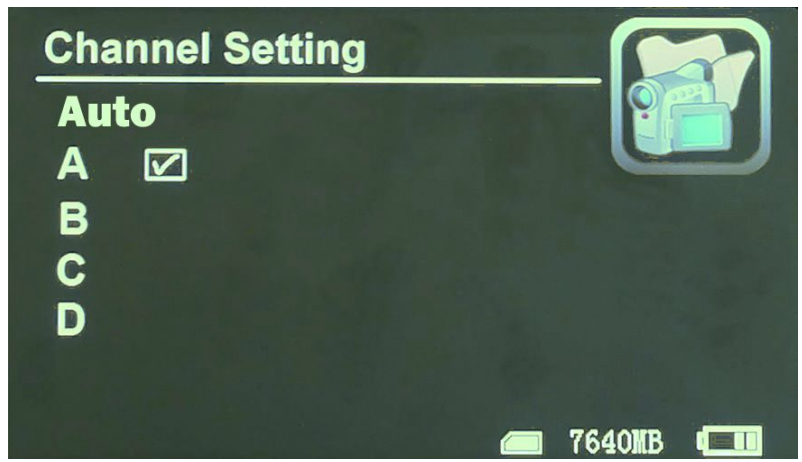


Function Settings

Power DVR on, working mode switched to "" , press "" to enter into function and system setting menu. Press "" / "" to select "Function", then press "" to enter into function menu.

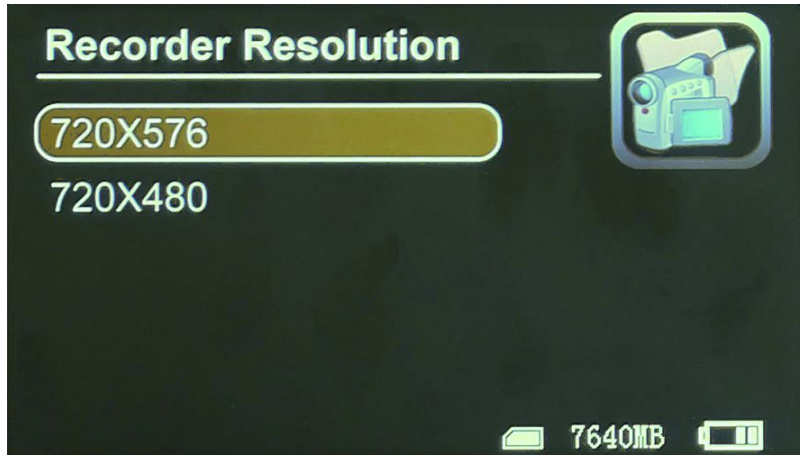


1. **Channel Setting**: Press "" / "" to select "Channel Setting", and then press "" to enter. Press "" / "" to select "A,B,C,D" then press "" to select and exit.



Function Settings

2. Recorder Resolution: Press“ ⏮ ”/“ ⏭ ” to select “ Recorder Resolution” and press “ 📷 ” to enter. Press “ ⏮ ” / “ ⏭ ” to select “720X576” / “720X480”. Press “ 📷 ” to confirm & exit.

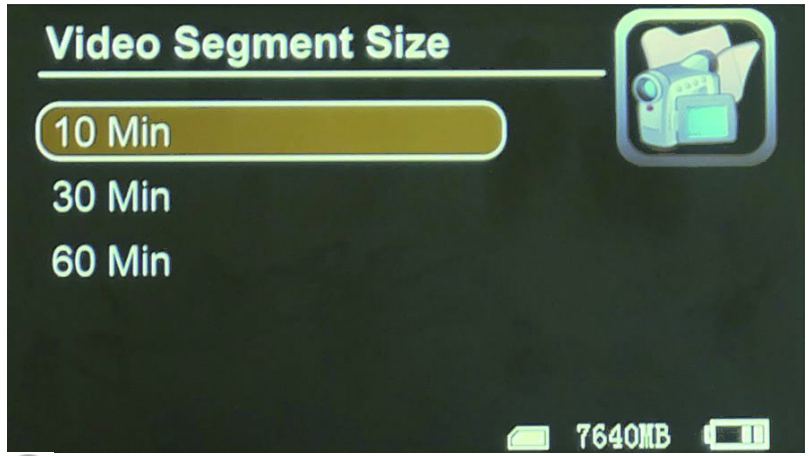


3. Frame Rate: Press “ ⏮ ” / “ ⏭ ” to select “Frame Rate” and press “ 📷 ” to enter. Press “ ⏮ ” / “ ⏭ ” to select “30 FPS”/“25 FPS”, and press “ 📷 ” to confirm & exit.

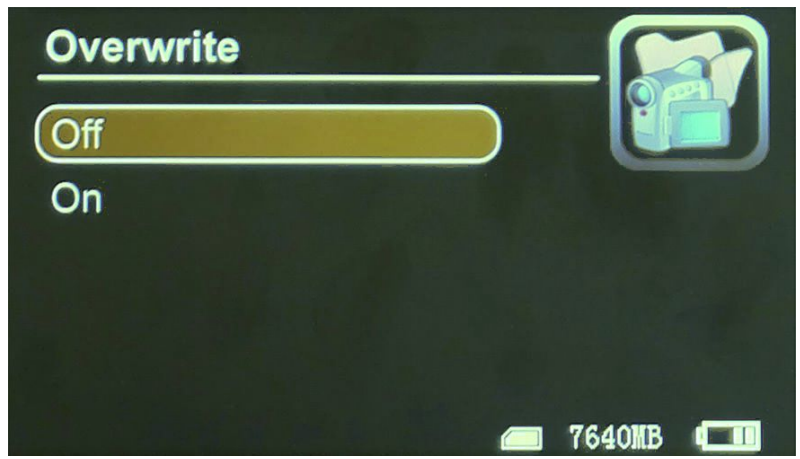


Function Settings

4. Video Segment Sizes: Press “⏮” / “⏭” to select “ Video Segment Sizes”, then press “📷” to enter. Press “⏮” / “⏭” to select “10 MIN”/“30MIN”/“60 MIN”. Press “📷” to confirm & exit.



5. Overwrite: Press “⏮”/“⏭” to select “ Overwrite”, and press “📷” to enter. Press“⏮”/“⏭” to select “Off”/ “On”, and press “📷” to confirm & exit. If “Overwrite” is on, DVR will cycle record, and save the latest video.



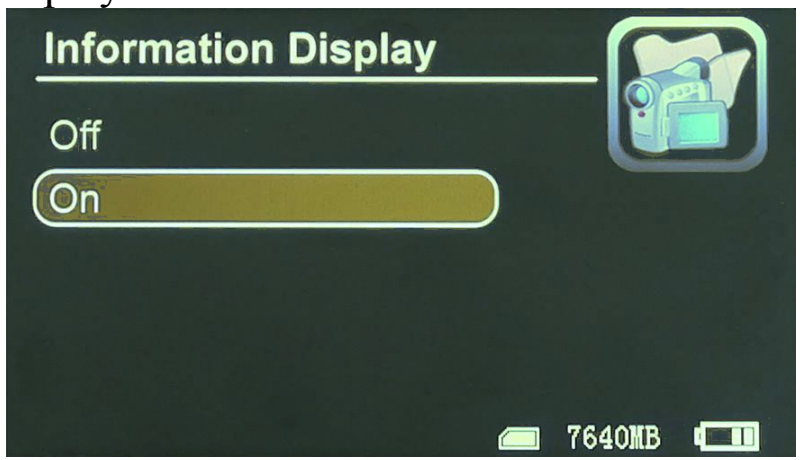
Function Settings

6. Time Stamp: Press “⏮” / “⏭” to select “Time Stamp”, and press “📷” to enter. Press “⏮” /“⏭” to select “Off”/ “On”, and press “📷” to confirm & exit. If it’s on, video will be saved with synchronous time.



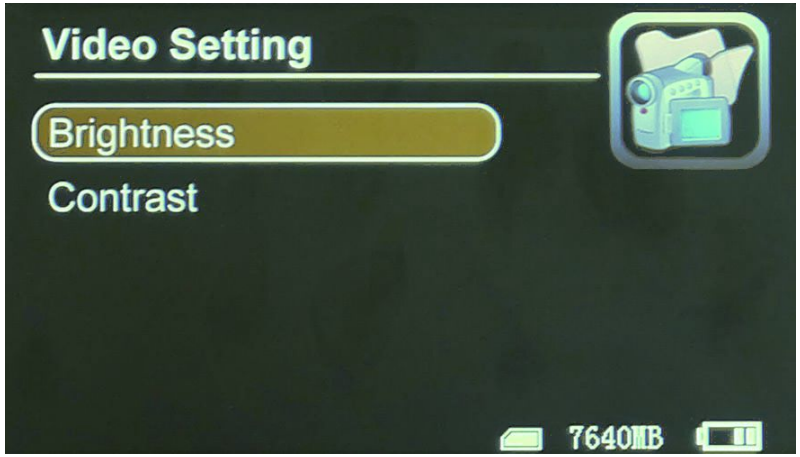
Function Settings

7. Information Display: Press “⏮”/“⏭” to select “Information Display”, and press “📷” to enter. Press “⏮” / “⏭” to select “Off”/ “On”, and press “📷” to confirm & exit. If it’s on, screen will display information of working frequency, channel, audio state, date & time, etc. If select “Off”, all the information will not be displayed.



Function Settings

8. Video Setting: Press “⏮” / “⏭” to select “Video Setting”, and press “📷” to enter. Press “⏮” / “⏭” to select “Brightness” or “Contrast”; then press “📷” to enter; then press “⏮” / “⏭” to adjust brightness or contrast. Press “↩” to exit

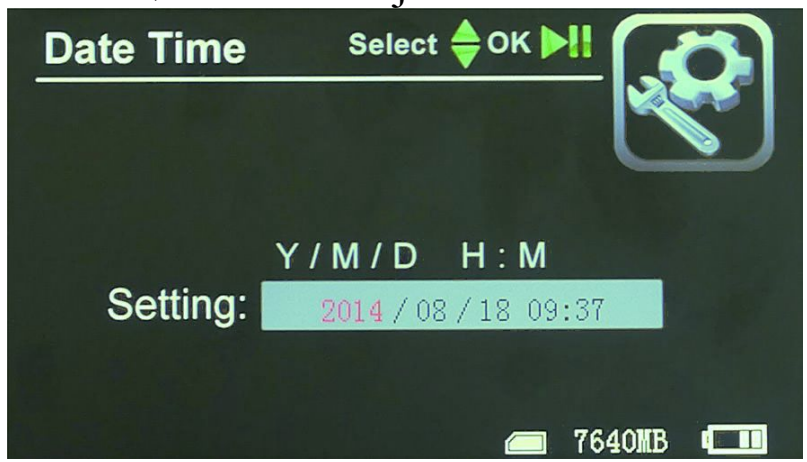


System Settings

Power DVR on, working mode switched to “” , press “” to enter into function & system setting. Press “” / “” to select “System”; then press “” to enter into system menu.



1. Date time: Press “” /“” to select “Date Time”, and press “” to enter. Press “” again to move the cursor, and press “” / “” to adjust date & time. Press “” to exit.

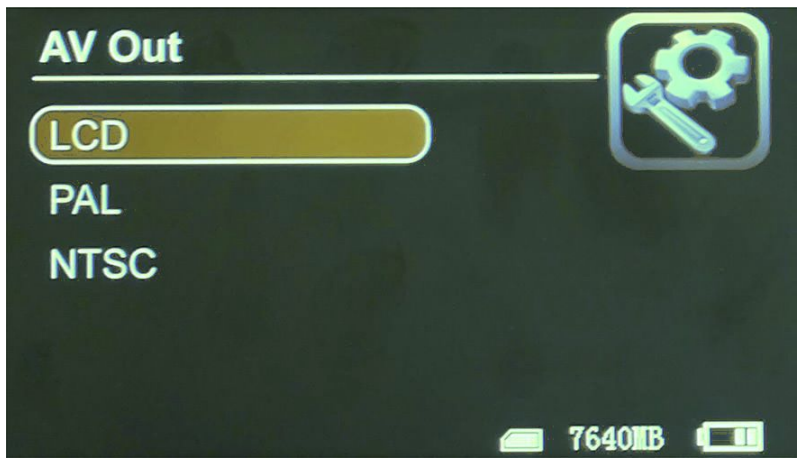


System Settings

2. Language: Press "⏮"/"⏭" to select "Language", and press "📷" to enter. Press "⏮"/"⏭" to choose your language. And press "📷" to confirm and exit.



3. AV Out: Press "⏮" / "⏭" to choose "AV Out", and press "📷" to enter. Press "⏮" / "⏭" to choose "PAL/NTSC", Press "📷" to confirm video displayed on TV screen. Pull out AV cable, video will back to DVR screen.



System Settings

4. Format： Press “⏮” / “⏭” to select “Format”, and press “📷” to enter. Press “⏮” / “⏭” to choose “Yes”. Press “📷” to confirm & exit.



5. Power Save: Press “⏮” / “⏭” to select “Power Save”, and press “📷” to enter:

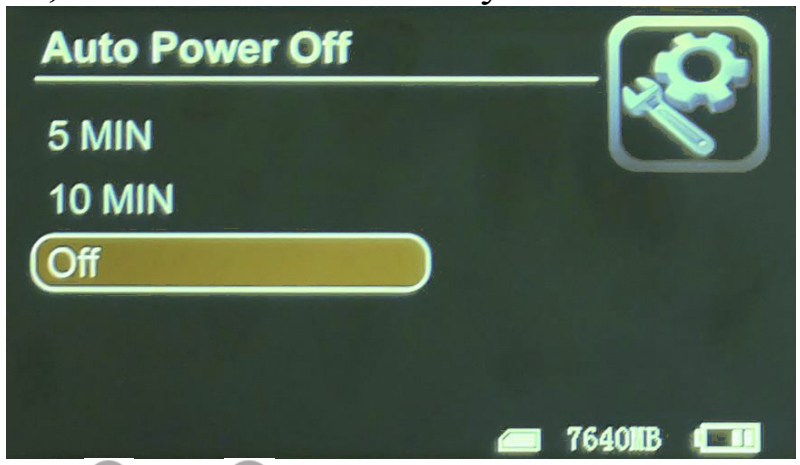


System Settings

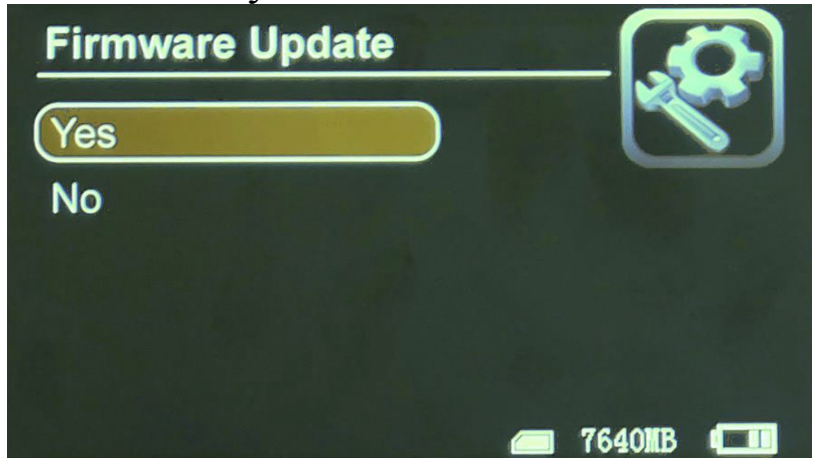
1）Auto LCD Off：Press “⏮”/“⏭” to select “ Auto LCD Off”, and press “📷” to enter. Press “⏮” / “⏭” to select “ 1 MIN”/ “5 MIN”/ “Off”, and press “📷” to confirm & exit. If turn on “ Auto LCD Off”, LCD screen will automatically shut off when the set time is due. Press any key to recover screen display.



2）Auto Power Off: Press “⏮” / “⏭” to select “ Auto Power Off”， and press “📷” to enter. Press “⏮” / “⏭” to select “ 5 MIN” / “10 MIN” / “Off”, and press “📷” to confirm & exit. If turn on “ Auto Power Off”, DVR will automatically shut off when the set time is due.

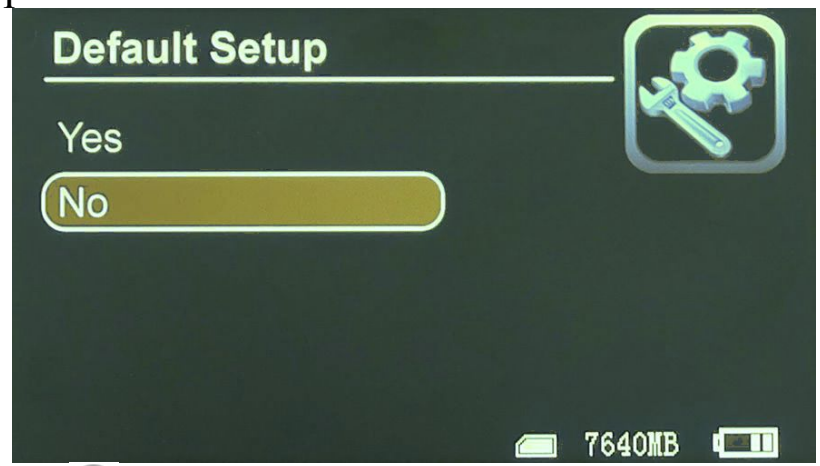


6. Firmware Update： Press “⏮” / “⏭” to select “Firmware Update”, and press “📷” to enter. Press “⏮” / “⏭” to select “Yes”，and press “📷” to start update. Please remember to save update file “*zburnT_C11.run.elf*” at root directory of SD card.

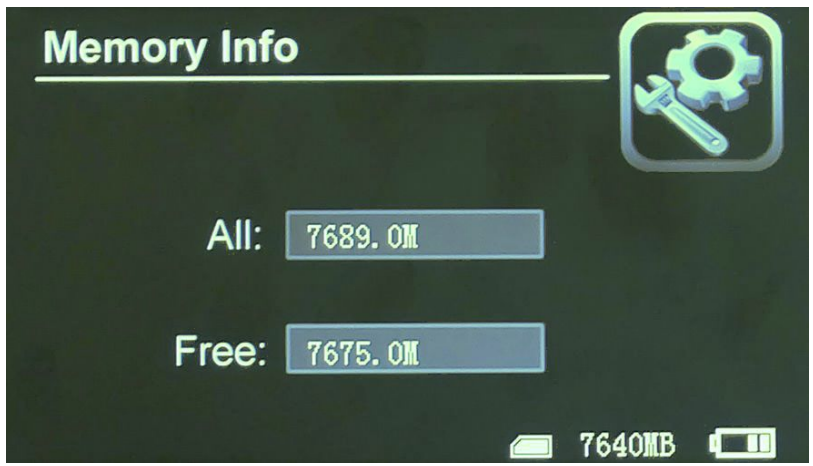


System Settings

7. Default Setup: Press "⏮"/"⏭" to select "Default Setup", and press "📷" to enter. Press "⏮" / "⏭" to select "Yes" and press "📷" to confirm. Press "↩" to exit.

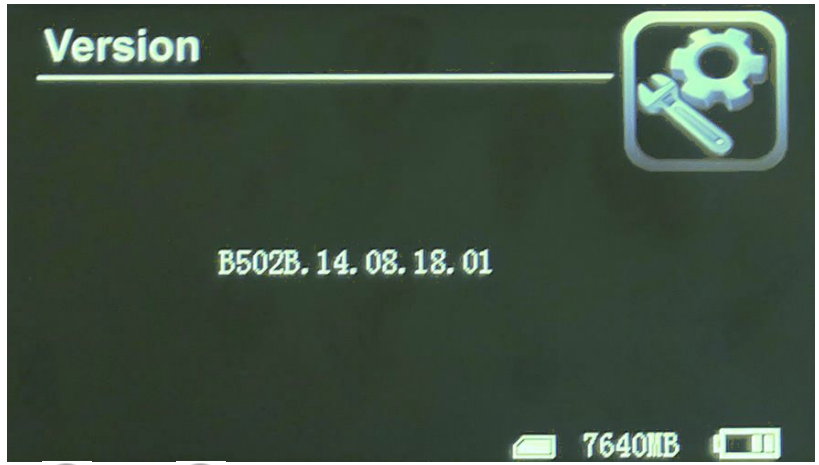


8. Memory Info: Press"⏮"/"⏭" to select "Memory Info", and press "📷" to view capacity of SD card. Press "↩" to exit.

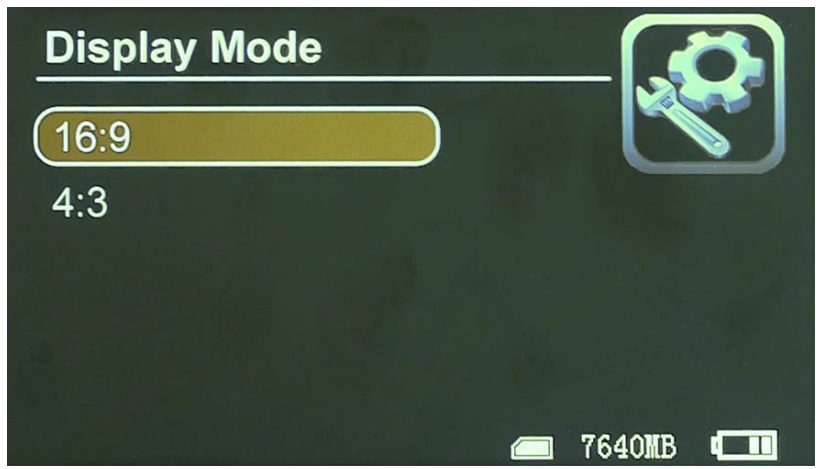


System Settings

9. Version: Press“ ⏮ ”/“ ⏭ ” to select “Version”，and press “ 📷 ” to view version information. Press ⮌ to exit.



10．Display Mode： Press “ ⏮ ” / “ ⏭ ” to choose “Display Mode”. Press “ ⏮ ” / “ ⏭ ” to choose “16:9/4:3”. Then press 📷 to confirm. Press ⮌ to exit.



Trouble Shooting

Trouble Shooting:

1 It can’t power on: Maybe no power. Recharging the DVR is ok;

2 System halted: Press the RESET key to turn on player again;

3 It can not play：Maybe the format of video file is not supported by this DVR, please convert it into the supported format.

4 The text is in messy code: Make sure the correct language is selected.

5 It can’t upload / download files or can’t find the disk in PC: Replace USB cable/USB port.

6 It can not save file：SD card is not in DVR, please insert SD card; or SD card memory is full, please delete some files to release memory; or there is damaged area in memory, please format it.

Specification

Items		Value
Wireless Receiving	5.8GHz 32 channels	A1：5.740GHz；A2：5.760GHz；A3：5.780GHz；A4：5.800GHz A5：5.820GHz；A6：5.840GHz；A7：5.860GHz；A8：SPI B1：5.725GHz；B2：5.745GHz；B3：5.765GHz；B4：5.785GHz B5：5.805GHz；B6：5.825GHz；B7：5.845GHz；B8：5.865GHz C1：5.733GHz；C2：5.752GHz；C3：5.771GHz；C4：5.790GHz C5：5.809GHz；C6：5.828GHz；C7：5.847GHz；C8：5.866GHz D1：5.705GHz；D2：5.685GHz；D3：5.665GHz；D4：5.645GHz D5：5.885GHz；D6：5.905GHz；D7：5.925GHz；D8：5.945GHz
	2.4GHz 8 channels	A1: 2414MHz；A2:2432MHz；A3: 2450MHz；A4:2468MHz. A5:2490MHz；A6:2510MHz；A7: 2390MHz；A8:2370MHz
	1.2GHz 24channels	A1:1080 MHz；A2:1120MHz；A3:1160MHz；A4:1200MHz A5:1240 MHz；A6: 1280MHz；A7:1320MHz；A8:1360MHz B1:1080 MHz；B2:1120MHz；B3:1160MHz；B4:1200MHz B5:1258 MHz；B6: 1280MHz；B7:1320MHz；B8:1360MHz C1:1080 MHz；C2:1120MHz；C3:1160MHz；C4:1200MHz C5:1010MHz；C6: 1040MHz；C7:1240MHz；C8:1280MHz

Specification

Wireless Receiving	Sensitivity	-88dB
AV IN	TV system	NTSC / PAL
	Output voltage	3.6-4.2 V
AV OUT	TV system	NTSC / PAL
HD 5-inch LCD screen	Active area	108mm(W) X 64.8mm(H)
	Resolution	800 X 480 Pixel
	Luminance for LCM	300 cd/㎡
Video	Resolution	720*576 / 720*480
	Video compress	MPEG-AVI 30fps
	Play format	MPEG-AVI

Specification

Audio	Frequency	20HZ-20KHz stereo
	Earphone Output	Left: 20MW+ right 20mW [16O](suit to largest volume)
	Speaker	1W
Photo	Format	JPG/JPEG
Storage	External SD card	TF card 1GB-32GB（optional）
	32GB recording time	10-32 hours
	1GB photos	15625pcs
Operating system	PC	Windows & Mac OS
	Port	USB 2.0
	Language	Multiple
Power	Voltage	DC 5V
	Current(receiving mode)	660MA
	Current(recording mode)	680MA

Specification

Power	Current （recording with off-screen mode）	340MA
	AC adapter	DC 5V 2A
	Built-in battery	Li-battery 3200Mah
Standby time	Wireless record	≥9.5 hours(off-screen); ≥5hours（on-screen）
	Wired record	≥12 hours(off-screen); ≥6hours（on-screen） *LED camera not included.
Size：（L X W X H）	Without sunshade	131mm x 90.5mm x 18mm
Size：（L X W X H）	With sunshade	131mm x 90.5mm x 28mm
Weight:	Without sunshade	215g
Weight:	With sunshade	260g

Package Contents

The following items are all in box. Please check:










Antenna	X 1 PC
AV in Cable	X 1 PC
USB Cable	X 1 PC
AV out Cable	X 1 PC
Sunshade cover	X 1 PC
AC adapter	X 1 unit
DVR	X 1unit
User manual	X 1 PC