

2.4G WIRELESS MINI DVR USER MANUAL

NOTES:

1. We have tried our best to make the content correct and complete, but it can't certify that there are any mistakes or omitted any information required.
2. Our company is only responsible for maintaining and repairing the problem of itself. We are not responsible for personal data deleted and lost caused by incorrect operation, product repair or other case. We are also not responsible for any other indirect loss caused by this.
3. Any modification of software, hardware, introduction to this product will not be notified separately, and our company owns the final explanation rights

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(A) WARNING:

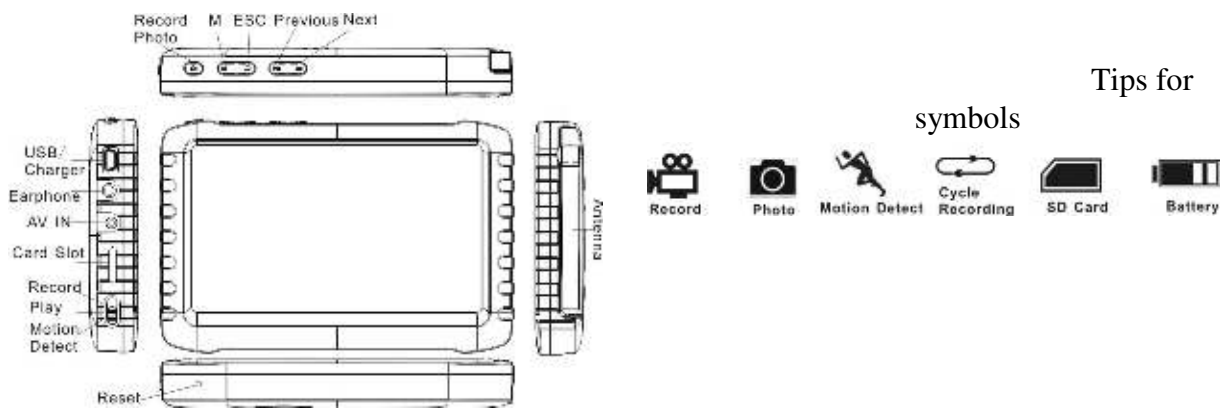
Please read the following instructions carefully before using:

- DO NOT use it in high temperature, high humidity environment, especially in the bathroom with high temperature. 0~40°C is the best working temperature for DVR.
- Avoid putting DVR at the place where the sunshine penetrates directly.
- Only insert or pull out the SD card after DVR power off. If done whilst working, the huge current could damage the machine or SD card.
- Please handle with care and never do anything which could seriously damage the machine.
- Please don't dismantle the DVR without authorization. Should there be an issue, please contact us here at Rodtech, by phone or email.
- admin@rodtech.co.uk or +44 (0) 1953 456 186
- Please do not remove or tamper in any way with the battery. If put the battery into fire, it will explode and could cause damage or injury.
- Do not use this product when your attention should be fully focused on something else, such as operating heavy machinery or driving (as example but not excluding other activities).
- 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 the supplier is not responsible for.
- 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.

(B) Basic Information:

- **Display:** 5-inch HD screen (800X480pix).
- **Wireless Receiving:** Built-in 2.4G wireless receiving module.
- **Channel Switch:** Supports manual & automatic switch between 8 channels.
- **Antenna:** Folding hidden external 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].
- **Battery:** Built-in 3200mAh high capacity Li-battery, which continuous record over 10 hours.
- **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.

(C) BUTTONS AND INTERFACE:



(D) HOW TO CHARGE:

Battery capacity symbols:



Tips: Should the battery run out, you will be required to charge the unit prior to its operation. Use the adaptors provided to charge AC or PC via USB.

- Charge 4~6 hours to fully charged. Unplug the charger when the battery status is full.
- For best performance and battery life, please charge the brand new machine for more than 6 but less than 10 hours for the first time. New battery will reach maximum performance after a few times full charge and discharge.
- Should you use this product infrequently, it is recommended that you charge the DVR every 2~3 months and keep it switched off until required.
- The charger supplied is for this device only. Do not leave the charger in humid place. Unplug the charger and keep it in good working order after charging. Do not repair, break down or remake the charger.

(E) BASIC OPERATION:

1. Power On/Off:

Press “**M**” to power on. DVR is now working; press and hold “**M**” again to power 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. When it's in wireless receiving mode, screen will show channels (CH1...CH8) and frequency (2.4G).

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

When switched to “Record”, DVR is able to receive/record/photo;

When switched to “Play”, DVR is able to play recorded images/film;

When switched to “MD”, DVR is able to use motion detection.

4. External Storage card

Once a storage card is plugged in, this DVR can record, photo. Screen will show symbol of SD card.

5. Working as a U-disk

Connect DVR to computer and power it on, it can then be used 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.

(F) Recording & Photo:

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

1. Photo: Under “Record” mode, press “**📷**” once, symbol “**📷**” flashes once, and will take a single picture.



2. Record: Under “Record” mode, press “**📷**” for 3 seconds, DVR in switches to recording mode, and screen shows “REC”. To end recording, press “**📷**” again, it will save automatically and exit. If you do not press “**📷**”, the system will automatically save video in segments until storage card is full.

If “Overwrite” is turned on, and you do not press “**📷**” to end recording, system will automatically save video in segments. When the card is full, it will overwrite the earliest recording and save the latest one, and will continue cycle recording.





3. Channel Switch: Under wireless receiving mode, press “**⏪**”/“**⏩**” to switch channels. Screen will display your selected channel.



4. Mute: Under “Record” mode, press “**M**” to enter state of mute. Screen displays “MUTE”. The speaker is now switched to mute; press “**M**” again to recover sound. Note: Mute setting will not affect the earphone.




G) Motion Detect:

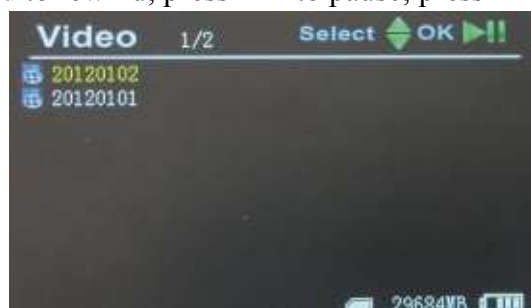

1. Power DVR on, and select working mode to “MD”, it’s in mode of motion detect. Press “



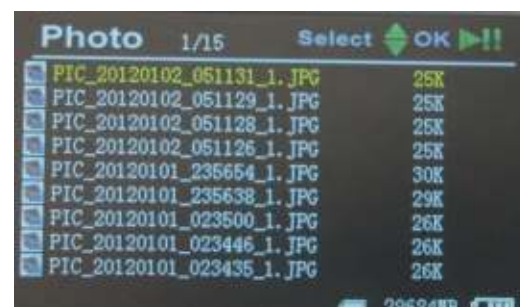

Note: Under wireless mode, please assure stable signal and no white noise/interference, or it will record as if motion has been detected.

(H) Play Video & Pictures:

If you select the play button (second setting on the bottom left button) you can view video and photo’s stored on your data card. Press “

1. **Play Video:** Select “video” press “



2. **Play Photos:** Select “Photo”, and press “

3. Delete Photo & Video: In this mode you can delete video and photos. Press “▶”/“◀” to select files you wish to delete. Press “M” to get to the selection options. Press “▶”/“◀” to select “All/Current”/“Cancel”, Press “⏏” to confirm. You must be very careful as if you select “All” and confirm, there will be no way to reverse this process! It can sometimes be easier to do this on a main PC/laptop, giving users better control.



(I) Function Settings:

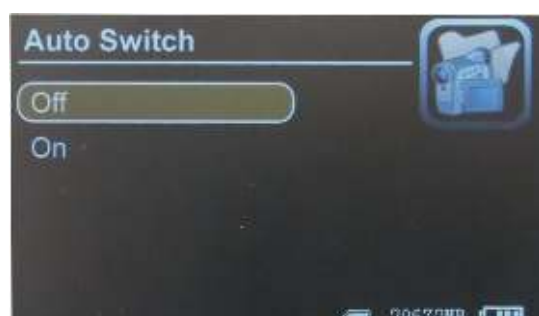
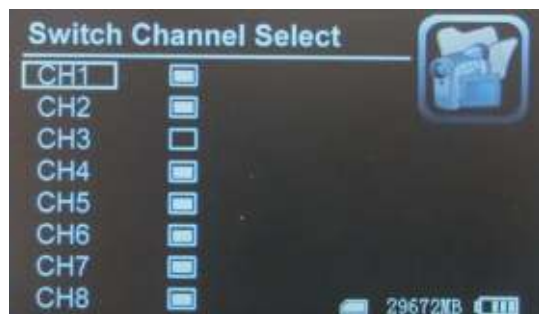
Power DVR on, The DVR needs to be in “Record”/“MD” mode, press “F” to enter into function and system setting menu. Press “▶”/“◀” to select “Function”, then press “⏏” to enter into function menu.

Press “▶”/“◀” to select “Channel Setting”, and then press “⏏” to enter.

Channel Setting: Press “▶”/“◀” to select “Channel Switch Select”, and press “⏏” to enter. The device is automatically in auto mode (“Auto Switch”).

Press “▶”/“◀” to select channel and press “⏏” to turn channel off/on. Press “F” to exit/return.

Auto Switch: Press “▶”/“◀” to select “Auto Switch”, and press “⏏” to enter. Press “▶”/“◀” to select “Off” / “On”, then press “⏏” to confirm and exit.



Dwell Time: Press “▶▶”/“◀◀” to select “Dwell Time” and press “⏏” to enter. Press “▶▶”/“◀◀” to adjust dwell time. Then press “⏏” to confirm and exit.



Recorder Resolution: Press “▶▶”/“◀◀” to select “Recorder Resolution” and press “⏏” to enter. Press “▶▶”/“◀◀” to select “720X576” / “640X480”. Press “⏏” to confirm and exit.



Frame Rate: Press “▶▶”/“◀◀” to select “Frame Rate” and press “⏏” to enter. Press “▶▶”/“◀◀” to select “30 FPS”/“25 FPS”, and press “⏏” to confirm & exit.



Video Segment Sizes: Press “▶▶”/“◀◀” to select “Video Segment Sizes”, then press “⏏” to enter. Press “▶▶”/“◀◀” to select “10 MIN”/“30MIN”/“60 MIN” (Minutes respectively). Press “⏏” to confirm & exit.

This will help if sending a file via email, as some email systems will not allow you to send huge files (60 minutes of video is approximately 1Gb of data).



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.














Time Stamp: Press “▶▶”/“◀◀” to select “Time Stamp”, and press “⏏” to enter. Press “▶▶”/“◀◀” to select “Off”/“On”, and press “⏏” to confirm & exit.

When on the video will be saved and stamped with synchronous time.









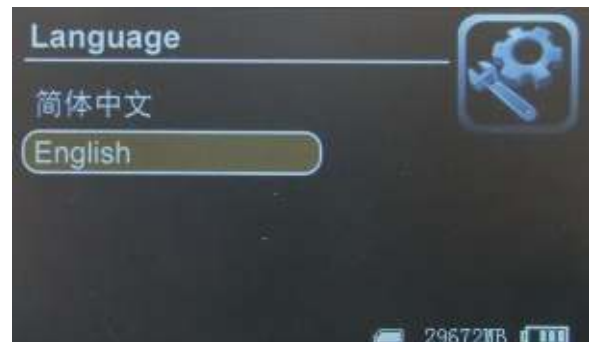
(J) System Settings:







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

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.






Language: Press “”/“” to select “Language”, and press “” to enter. Press “”/“” to choose your language. Press “” to confirm and exit.









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



Power Save: Press “”/“” to select “Power Save”, and press “” to enter.



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.



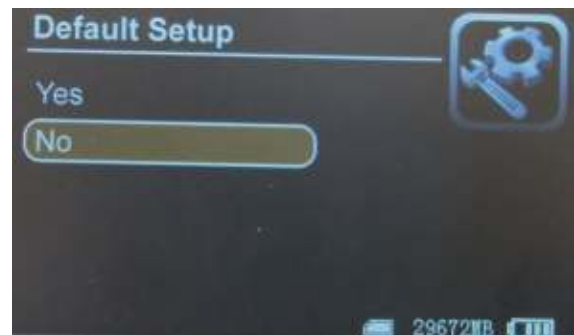
Auto Power Off: Press “”/“” to select “Auto Power Off”, and press “” to enter. Press “”/“” to select “5 MIN” / “10 MIN” / “Off”, and press “” to confirm & exit. If turn on “Auto Power Off”, DVR will automatically shut off when the set time is due.



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.



Default Setup: Press “”/“” to select “Default Setup”, and press “” to enter. Press “”/“” to select “Yes” and press “” to confirm. Press “” to exit.



Memory Info: Press “”/“” to select “Memory Info”, and press “” to view capacity of SD card. Press “” to exit.



Version: Press “”/“” to select “Version”, and press “” to view version information. Press “” to exit.



(K) Trouble Shooting:

- 1 The screen will not turn on: Try recharging the main DVR unit.
- 2 DVR appears to have stopped working: Press the RESET key found bottom left of the DVR device and turn screen on again.
- 3 The DVR does not play the video file: Maybe the format of the video file is not supported by this DVR. Please change the format to the supported files (MPEG-AVI).
- 4 I cannot read the text and it appears to be in a different language: Go to (section J of this document) System Settings on and ensure the language selected is correct.
- 5 I cannot upload/download files or cannot find the disk in the PC: Replace the USB cable/USB port on the PC.
- 6 I cannot save a file/it won't save a file: Ensure the SD card is correctly inserted; or the SD card may be full, please delete/remove files to release enough memory to store new files and/or select on in OVERWRITE found in section I of this document; or there is a fault with the SD card, try re-formatting or an alternative card.
- 7 When I plug the wired camera in the DVR switches off and won't come back on: When you put the wired camera into the jacking port, it will sometimes (if done often) discharge the DVR unit. You can recharge the DVR and use direct power to the wired camera.

(L) Package Content



From left to right (top to bottom)

- 1 x Digital Video Recorder
- 1 x Headphones with clip
- 1 x AV Cable (black power

/yellow
picture

- 1 x Mini USB to USB
- 1 x Installation holder (can connect to a tripod)
- 1 x AC Adaptor

/red
sound)



Also included within the Box is;
From left to right (top to bottom)

- 1 x Wireless (rechargeable) camera
- 1 x Wired camera (15 meters of cable)
- 1 x 12v Car charger
- 1 x USB charger (for wireless camera)
- 1 x Antenna extender
- 1 x AC Adaptor (for wireless camera)

(M) Specifications

Items		Value	
Wireless Receiving	Wireless freq. 1 of 6 groups	2.4GHz-8 channels	CH1: 2414MHz; CH2: 2432MHz; CH3: 2450MHz; CH4: 2468MHz; CH5: 2490MHz; CH6: 2510MHz; CH7: 2390MHz; CH8: 2370MHz
		Within 5.8G-A 8 channels	CH1: 5865MHz; CH2: 5845MHz; CH3: 5825MHz; CH4: 5805MHz; CH5: 5785MHz; CH6: 5765MHz; CH7: 5745MHz; CH8: 5725MHz
		Beyond 5.8G-B 8 channels	CH1: 5705MHz; CH2: 5685MHz; CH3: 5665MHz; CH4: 5645MHz; CH5: 5885MHz; CH6: 5905MHz; CH7: 5925MHz; CH8: 5945MHz
		Within 5.8G-C 8 channels	CH1: 5733MHz; CH2: 5752MHz; CH3: 5771MHz; CH4: 5790MHz; CH5: 5809MHz; CH6: 5828MHz; CH7: 5847MHz; CH8: 5866MHz
		Within 5.8G-D 7channels for FPV	CH1: 5740MHz; CH2: 5760MHz; CH3: 5780MHz; CH4: 5800MHz; CH5: 5820MHz; CH6: 5840MHz; CH7: 5860MHz; CH8: SPI
		Beyond 5.8G-E 7 channels for FPV	CH1: 5705MHz; CH2: 5685MHz; CH3: 5665MHz; CH4: 5645MHz; CH5: 5885MHz; CH6: 5905MHz; CH7: 5925MHz; CH8: SPI
	Sensitivity	-88dB	
	Receiving distance	100 meters	
AV IN	TV system	NTSC / PAL	
	Output voltage	3.6-4.2 V	
HD 5-inch LCD screen	Active area	108mm(W) X 64.8mm(H)	
	Resolution	800 X 480 Pixel	
	Luminance for LCM	200 cd/m ²	
Cape clear 5-inch LCD screen	Active area	118mm(W) X 62.8mm(H)	
	Resolution	480 X 272 Pixel	
	Luminance for LCM)	300cd/m ²	

Items		Value
Video	Resolution	720*576 / 640*480
	Video compress	MPEG-AVI 30fps
	Play format	MPEG-AVI
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
	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)		131mm x 86mm x 18mm
Weight(g)		205g