

V-TUF[®]



GCX-VISIOKIT1

WIRELESS GUTTER CLEANING INSPECTION CAMERA KIT

OPERATOR MANUAL



Please read this manual before using the GCX-VISIOKIT1

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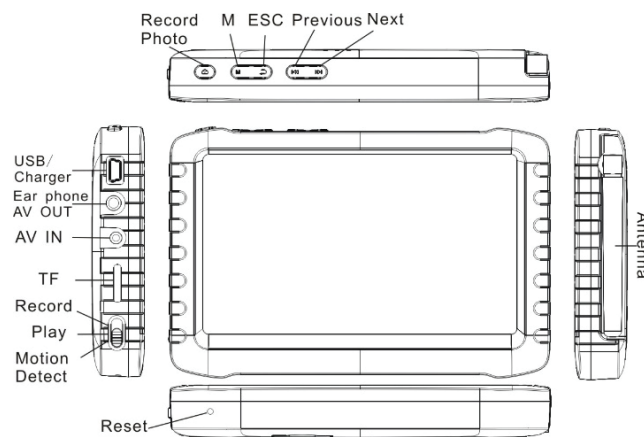
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- Do not use or store the camera or monitor in high temperature or high humidity or damp environment.
- Avoid direct sunlight for long periods.
- Do not use a SD card larger than 32GB
- Insert and remove the SD card only once the power of the monitor is switched off.
- When inserting the SD card, please make sure that the insertion direction is correct. Failure to do so will damage the card slot. (See icon on the rear of the monitor)
- Do not attempt to remove the battery of either the camera or monitor

Buttons & Interface



Display Symbols:



Battery capacity symbols:



The possible reason for the Monitor not powering up, is that the battery is depleted. Plug the charging wire into the USB port on the monitor and connect it to a mains voltage supply.

The battery charger supplied is for the Monitor use only. Do not leave the charger in a humid place.

Unplug the charger after use.

Before using the Monitor for the first time, charge it for between 6 – 10 hours.

The new battery will reach best performance after charging and discharging several times, If the camera is not used for long periods, it is recommended to charge the monitor every 2-3 months.

Bullet Camera

Ensure that the camera battery is fully charged prior to operation. Once fully charged the battery will have a 1.5 hour working time.

Charging

Charge the camera battery, for approximately 1½ hours, using the mains charger supplied with the kit. Whilst charging, the red indicator LED, in the front of the camera, will illuminate. When fully charged, the red indicator LED will switch off. Do not leave the camera on charge for a long period of time after the red LED has switched off.

Operation

Press and hold the button, on the rear of the camera, to turn the camera on. The reason for the camera possibly not switching on, is that the battery is depleted.

Enhanced brightness

When switched on, press the button once to give enhanced brightness, and again to turn the LED lights off. The camera will continue to function in this mode and the battery charge will be extended.

Press and hold the button to switch the camera off.

Camera Specification:

FREQUENCY	2414Mhz (CH1)
RF OUTPUT POWER	50mW (300 feet in line of sight)
TOTAL PIXELS PAL	720 x 576 NTSC: 720 x 480
MINIMUM ILLUMINATION	0.01Lux / F1.2
LENS FOCUS	1-100cm (adjustable)
VIEW ANGEL	90°
LIGHT SOURCE LED	2200mcd x 6 (Range of LED lamp: 5 metres)
IR/940NM	70mW x 6 (Range of IR940 lamp: 5 metres)
IR/850NM	70mW x 6 (Range of IR850 lamp: 8 metres)
LI-BATTERY CAPACITY	380MAH
WORKING TIME	1.5 hours
CHARGE TIME	1.5 hours
VOLTAGE DC	5V
CURRENT LAMP OFF:	160mA Lamp on: 260mA Lamp highlight: 300mA
WEIGHT	35g
SIZE (DXL)	20mm x 84mm



Monitor Specification

Items	Value
Wireless Receiving Wireless freq. 1of 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:	92dB
AV IN TV system:	NTSC / PAL
Output voltage:	3.6-4.2V
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:	200 cd/
Video Resolution:	720*576 / 720*480
Video compress:	MPEG-AVI 30fps
Play format:	MPEG-AVI
Audio Subcarrier frequency:	2.4GHz:6.0MHz; 5.8G-A/B/C:6.5MHz; 5.8G-D/E:6.0& 6.5MHz
Earphone Frequency Range:	20HZ-20KHz stereo

Items	Value
Earphone Output Left:	20MW+ right 20mW [160](suit to largest volume) Speaker 1W
Photo Format:	JPG/JPEG
Storage:	External SD card TF card 1GB-32GB optional
32 GB Recording time:	10-32 hours
1GB Photos:	15625pcs
Operating system PC:	Windows & Mac OS
Power Port:	USB 2.0
Language:	Multiple
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

Basic Monitor Operation


1. Power On/Off:


Press and hold  to switch the power on – press and hold  to switch the power off.

2. Working mode switch

(switch located on the side of the camera – see rear for icons)

When switched to  Monitor will take photos and record videos

When switched to  Monitor will display recorded photos and videos

When switched to  Monitor is in the state of motion detection.

3. Raise the monitor antennae to improve wireless connection with the bullet camera.


4. SD card

If you wish to use the video function, insert an SD card prior to switching the monitor on. If no SD card is inserted, the monitor can be used for viewing only. The screen will show a symbol of a SD card when inserted.




5. Viewing the SD card on computer

Switch the power off prior to removing the SD card from the monitor. Remove and insert the SD card directly into a computer to view your videos or images.







Taking a photo and video

Switch the Monitor on, and select working mode . Switch the bullet camera on and wait for them to connect.




1. Taking a Photo

When  is displayed, press  once, symbol  will display on the screen, and a still image will be captured




2. Video Recording

When  is displayed, press and hold  for 3 seconds and the monitor will begin recording, (screen will display "REC"). Press  once to pause the video, (screen will display ), press  again to continue recording. Press  to end the recording, It will save automatically and exit.













3. Mute

When  is displayed, press  to mute the sound. Screen displays "MUTE". Press  again to recover sound.






Viewing Photos and Videos

Select central position  of the switch on the side of the monitor to view photos and videos. Press  /  to select either "Photo" or "Video".







Viewing Videos:

1. When "Video" is selected, press  to display the list of videos which have been recorded
2. Press  /  to scroll through the list and press  to play the selected video.
3. Whilst the video is being viewed, press and hold " " to fast forward; press and hold  to rewind. (Press  /  to adjust volume)
4. Press  to pause; press  again to release pause.
5. Press  and  to exit the video and return to the video list.
6. Press  again to return to photo and video option.




Viewing Photos

1. When "photo" is selected, press  to view the list of photos which have been recorded.
2. Press  /  to scroll through the list and press  to display the selected photo.
3. Press  to return to the photo list.







Deleting Photos & Videos

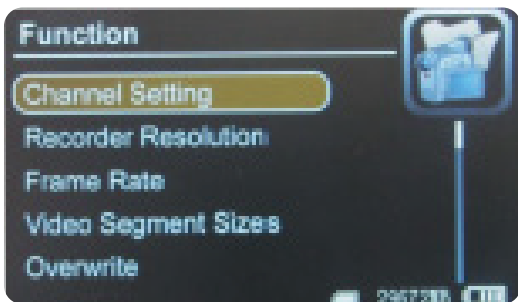
1. Press  /  to select the desired video/photo.
2. Press  to open the options dialogue.
3. Press  /  to select the desired option
4. Press  to confirm.

Additional Information & Motion Detection

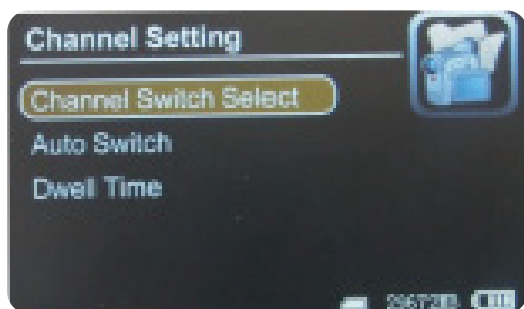
1. Switch the monitor on, and select the , mode on the side switch.
2. Press and hold  for 3 seconds to enter the motion detect recording. When moving objects are detected, the monitor will automatically begin to record, and the screen will show "REC". After 10 second, if no movement is detected, the monitor will automatically pause recording, until further movement is detected, when it will continue to record the video. To end motion detect recording, press , it will automatically save the video.

Function Settings

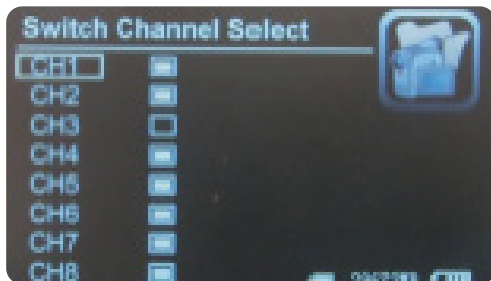
Switch the monitor on, with the mode  or  displaying, press  to enter the function mode. Press  /  to select "Function", then press  to enter into function menu.



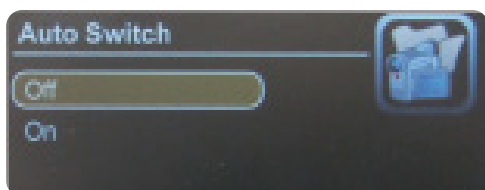
1. Channel Setting: Press  /  to select "Channel Setting", and then press  to enter



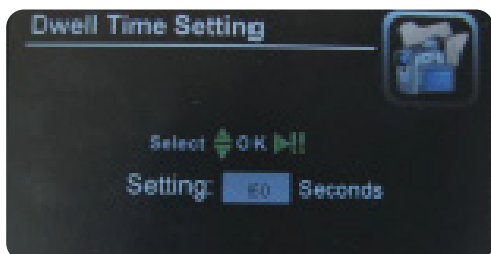
1) Auto Switch Press **▶▶** / **◀◀** to select "Auto Switch", and press **▶** to enter.
Press **▶▶** / **◀◀** to select channel and press **▶** to turn it off/on.
Press **▶** to exit.



2) Auto Switch Press **▶▶** / **◀◀** to select "Auto Switch", and press **▶** to enter.
Press **▶▶** / **◀◀** to select "Off" / "On", then press **▶** to confirm and exit.

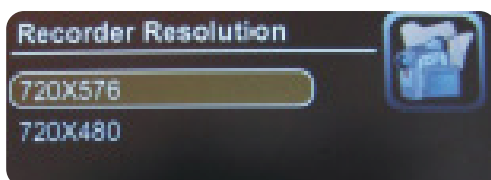


3) Dwell Time Press **▶▶** / **◀◀** to select "Dwell Time" and press **▶** to enter
Press **▶▶** / **◀◀** to adjust dwell time. Then press **▶** to confirm and exit.



Function Settings

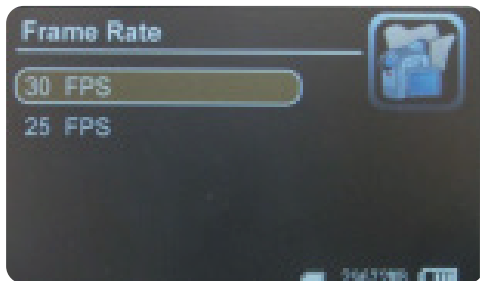
Press **▶▶** / **◀◀** to select "Recorder Resolution" and press **▶** to enter. Press **▶▶** / **◀◀** to select "720X576" / "720X480". Press **▶** to confirm and exit.



3. Frame Rate

Press **▶▶** / **◀◀** to select "Frame Rate" and press **▶** to enter.

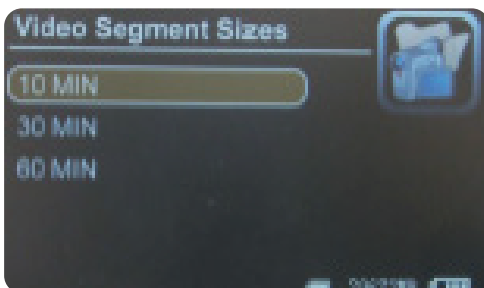
Press **▶▶** / **◀◀** to select "30 FPS"/"25 FPS", and press **▶** to confirm & exit.



4. Video Segment Sizes

Press **▶▶** / **◀◀** to select "Video Segment Sizes", then press **▶** to

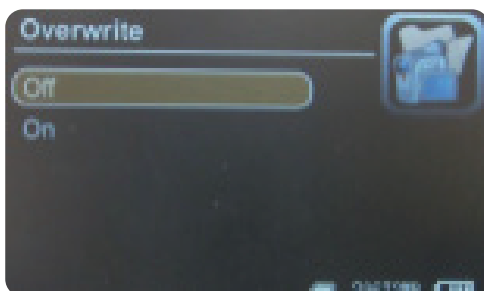
enter. Press **▶▶** / **◀◀** to select "10 MIN"/"30MIN"/"60 MIN". Press **▶** to confirm & exit.



5. Overwrite

Press **▶▶** / **◀◀** to select "Overwrite", and press **▶** to enter. Press **▶▶** / **◀◀** to

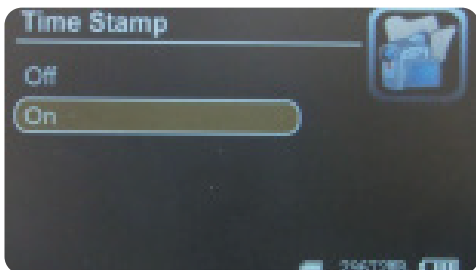
select "Off"/ "On", and press **▶** to confirm & exit. If "Overwrite" is on, DVR will cycle record, and save the latest video.



6. Time Stamp

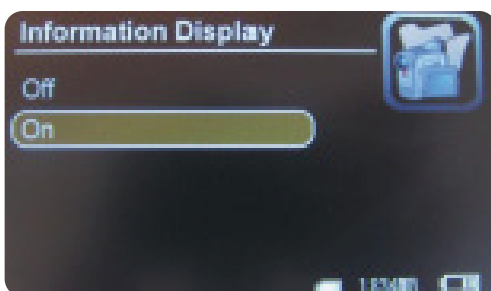
Press **▶▶** / **◀◀** to select "Time Stamp", and press **▶** to enter.

Press **▶▶** / **◀◀** to select "Off"/ "On", and press **▶** to confirm & exit. If it's on, video will be saved with synchronous time.



7. Information Display

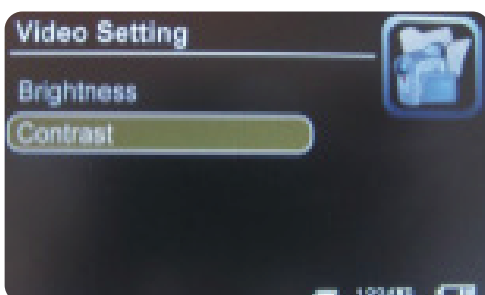
Press **▶▶** / **◀◀** to select "Information Display", and press **▶** to enter. Press **▶▶** / **◀◀** to select "Off"/ "On", and press **▶** to confirm & exit. If it's on, screen will display information of working frequency, channel, audio state, date & time, etc. If select "Off", all the information will not be displayed.



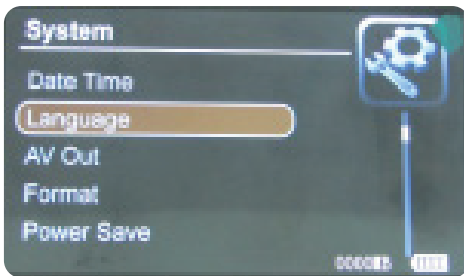
8. Video Setting

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

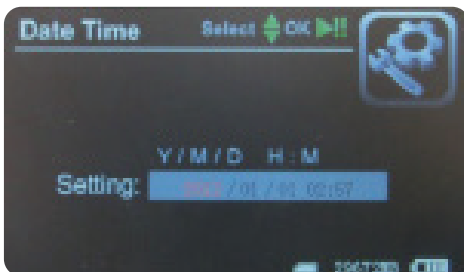


Power DVR on, working mode switched to / press to enter into func-tion & system setting. Press / to select "System"; then press to enter into system menu.



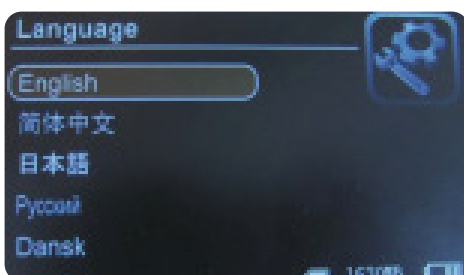
1. Date & Time

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



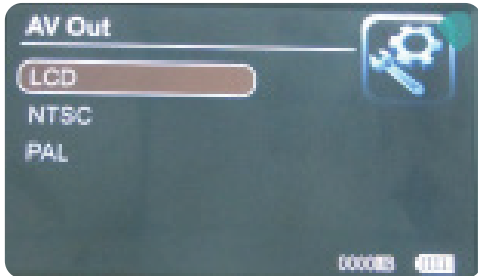
2. Language

Press / to select "Language", and press to enter. Press to choose your language. And press to confirm and exit.



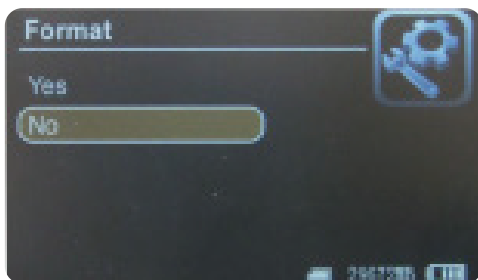
3. AV Out

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.



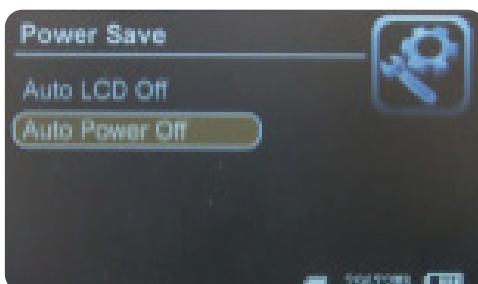
4. Format

Press **▶▶** / **◀◀** to select "Format", and press **▶** to enter. Press **▶▶** / **◀◀** to choose "Yes". Press **▶** to confirm & exit.



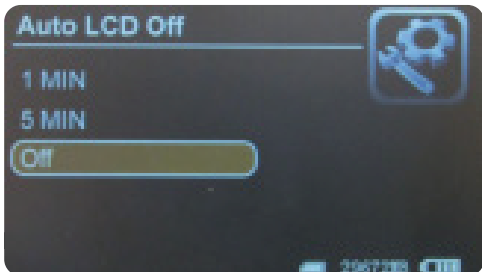
5. Power Save

Press **▶▶** / **◀◀** to select "Power Save", and press **▶** to enter:



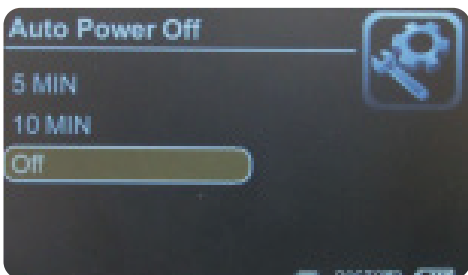
1. Auto LCD Off

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.



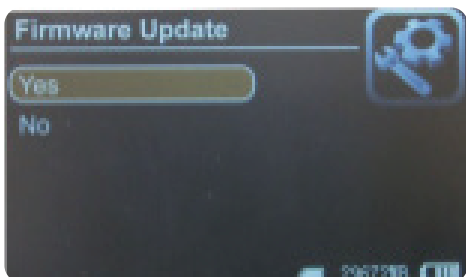
2. Auto Power Of

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:

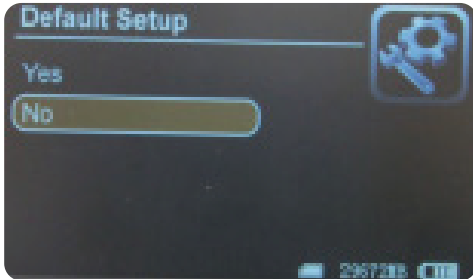
Press **▶▶** / **◀◀** to select "Firmware Update", and press to enter. Press **▶▶** / **◀◀** to select "Yes" and press **▶** to start update. Please remember to save update file "zburnT_C11.run.elf" at root directory of SD card.



7. Default Setup

Press **▶▶** / **◀◀** to select "Default Setup" and press **▶** to enter.

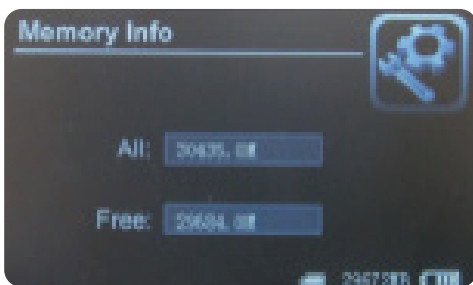
Press **▶▶** / **◀◀** to **▶** select "Yes" and press **▶** to confirm. Press **▶▶** to exit.



8. Memory Info

Press **▶▶** / **◀◀** to select "Memory Info", and press **▶** to view capacity of SD card.

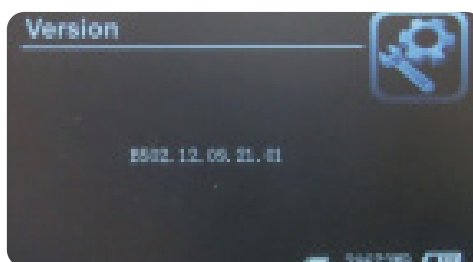
Press **▶▶** to exit.



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.

V-TUF Warranty

The warranty on all Machines and Equipment is for 1 year (12-months) from RECORDED DATE OF PURCHASE.

THIS WARRANTY EXCLUDES NORMAL MAINTENANCE ITEMS, including but not limited to HOSES, FILTERS, O-RINGS, DIAPHRAGMS, VALVES, GASKETS, CARBON BRUSHES and damage to motors and other components as a result of failure to replace normal maintenance items. THIS LIST IS NOT EXHAUSTIVE.

If V-TUF receives notice of such defects during the warranty period, V-TUF will either, at its opinion, repair or replace components which prove to be defective.

Replacement parts will only be supplied under warranty, upon the inspection and approval of the defective parts by V-TUF.

Should it be necessary to supply replacement parts before the opportunity to inspect, these will be charged at current prices and credit will only be issued upon subsequent inspection and warranty approval by V-TUF.

The customer is responsible for the cost of return of the defective part. If warranty is approved, V-TUF will pay for the cost of the repaired or replacement part.

This warranty excludes the following conditions and circumstances which are at the discretion of V-TUF:

Wear and tear, misuse, abuse improper maintenance, frost damage, the use of chemicals other than those supplied or approved by V-TUF, improper installation or repair, unauthorised modification, incidental or consequential costs, loss or damage, service, labour or third party charges, the cost of returning defective parts to V-TUF.

This warranty constitutes the exclusive remedy of any purchaser of a V-TUF unit and is in lieu of all other warranties, express or implied, including without limitation any implied warranty of merchantability or fitness for use, to the fullest extent permitted by law. In no event shall any implied warranty of merchantability or fitness for use exceed the term of the applicable warranty stated above and V-TUF shall have no other obligation or liability

Important

Unfortunately these rights cannot be transferred to a third party.

Why V-TUF?

Flexibility

- V-TUF systems can be built according to customers' exact requirements
- For non-standard systems, the user's needs or specifications are listened to and turned into reality.

Quality

- Whilst price is important, quality is remembered long after price is forgotten
- We insist on sourcing brand name products from around the world, only of a reputable quality, and bring them together under the V-TUF name
- All V-TUF products carry a full one year's warranty, according to the manufacturers' standard terms and conditions of sale.

Service

- We have an in-house technical helpline able to answer most of your questions relating to the capabilities and functionalities of all V-TUF products
- If we get it wrong, we will put it right. If you are sent a wrong item, we will immediately attend to sending you the correct item and arrange a collection of the wrong item without any quibbles
- V-TUF is backed by a comprehensive range with massive stocks providing you with a 'one stop shop' for all your requirements.



CHECKED AND
TESTED BY
QUALITY CONTROL

V-TUF[®]

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