

VX111-01 (vCam-6) Quick Guide V1.7



What's in the box:

- vCam-6 Control Module
- Accessory bag
- Vehicle charging lead
- Battery charger with power cord
- Fuse, 10A/250V
- USB Thumb drive
- SD card
- Screwdriver, 2.5mm flathead
- Screwdriver, 3mm flathead
- Tool, D34 and D46 series camera and spring
- Quick guide
- Manual

Refer to the user manual for detailed instructions, safety and care information.



Fuse - Make sure the 10A-250V fuse is installed in the fuse compartment on the back of the unit.

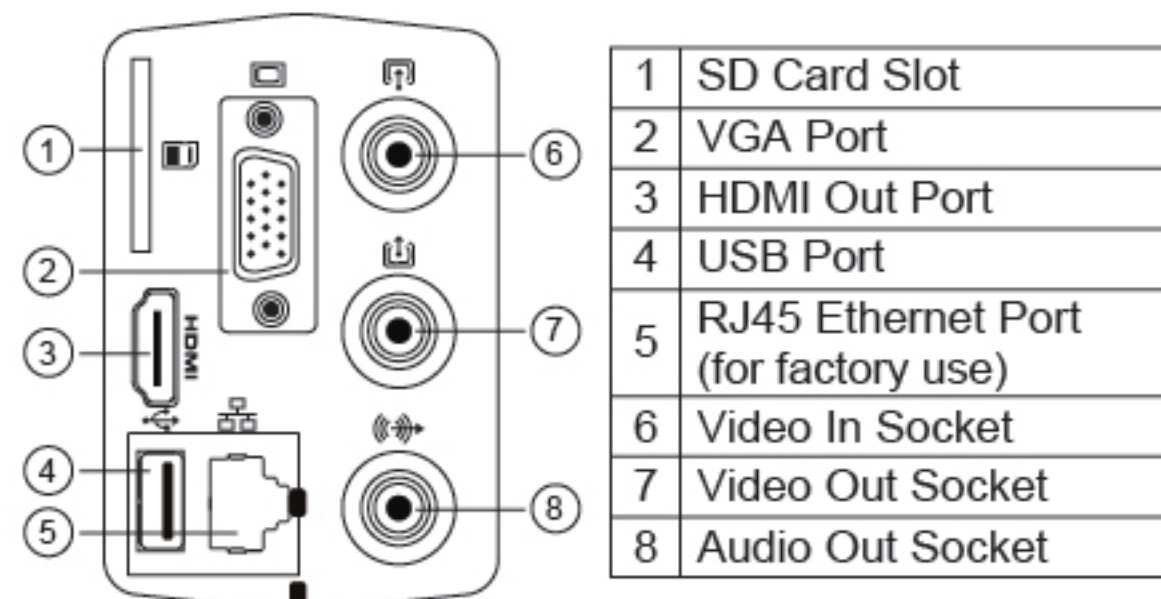


Do not use pressure washers to clean the reel, pushrod, spring assembly or camera heads. Use low-pressure water to rinse off the reel components.

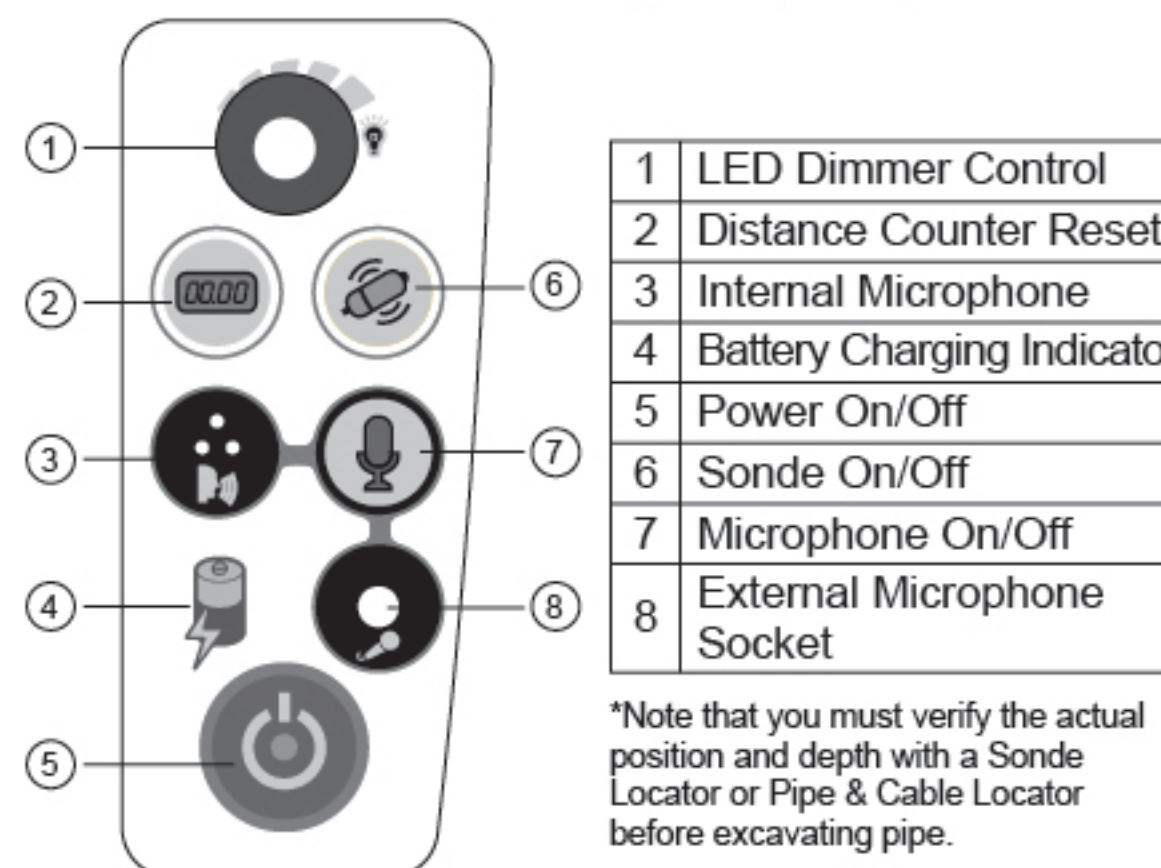


Control Module Interface

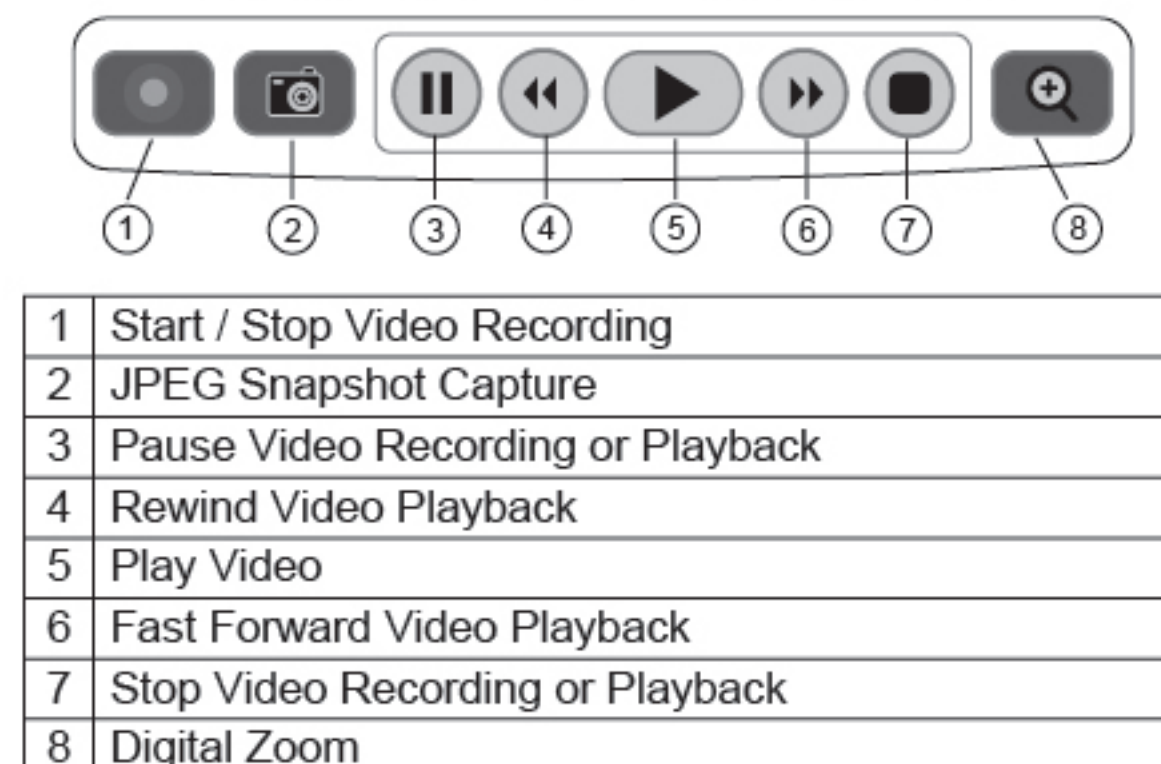
Media Ports (left side)



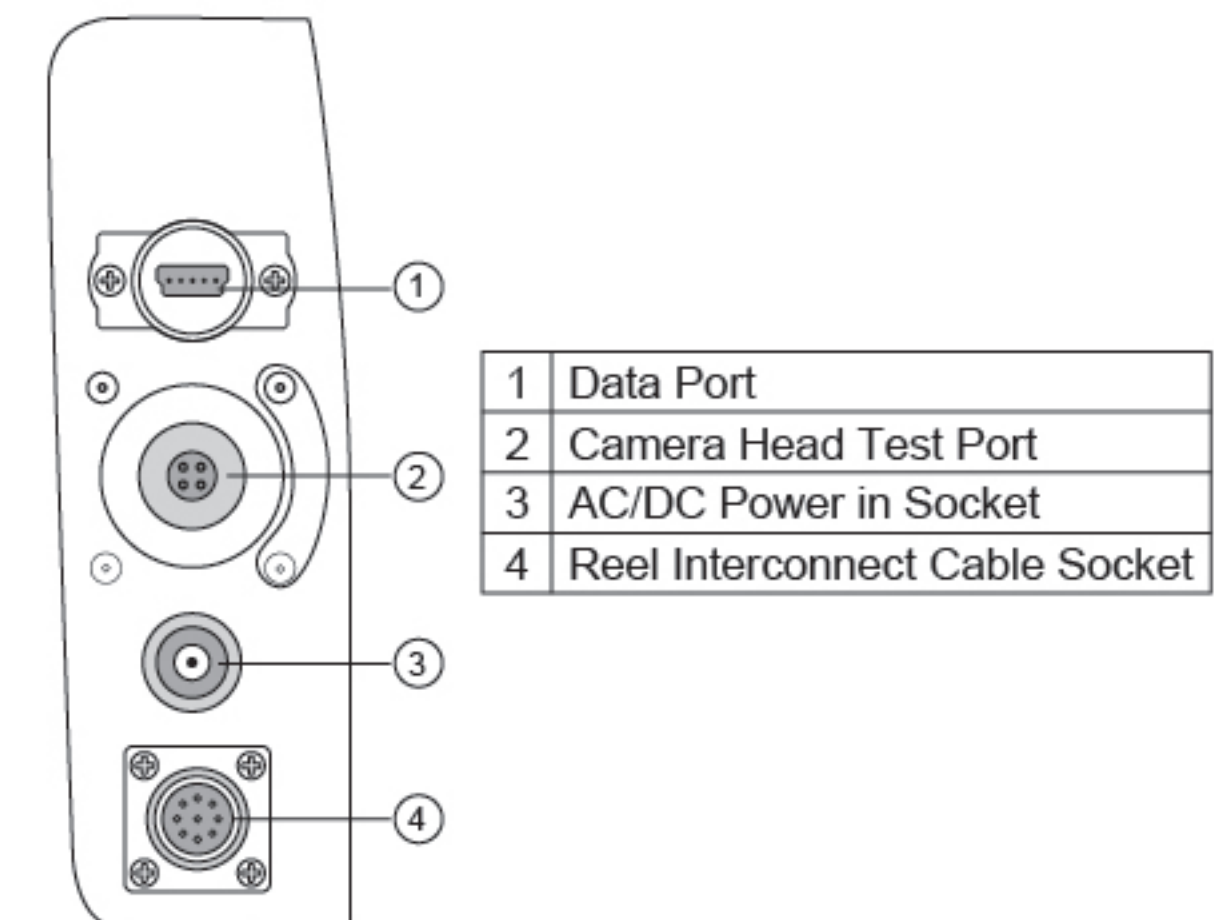
Main Controls (front panel)



Video Recording/Playback Controls



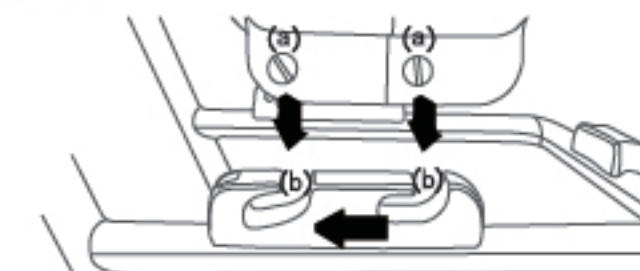
Power/Interconnect Sockets (right side)



In November of 2024, starting with serial number 11101180687 the AC socket on the left side of the unit was replaced with the AC/DC Socket located on the right side shown as reference # 3 above. At this time the control module started shipping with a battery charger rather than an AC power cable.

Mounting the Control Module

1. Line up the control module's mounting pins(a) to the open slots on the reel mounting plate.
2. Lower the control module into the reel mounting plate(b).
3. Standing in front of the control module, push the bottom of the control module backward until the control module locks in place.



Do not use the Control Module as a handle to move the reel. Move the reel only by the reel's handle.



General Safety & Care Information

◆ Health and Safety

This equipment is primarily used for inspecting sewer pipes by professionals operating in the sewer and plumbing industry and maintained by professionals familiar with the health risks of maintaining equipment in a sewer.

Such professionals will be protected by their company's recommendations and work practices. If for any reason they are not, or are not familiar with such practices, please check our website or email SalesUSA@vxmt.com for a copy of the Health and Safety Document used by Vivax-Metrotech for employees involved in the demonstration, maintenance, and handling of sewer camera systems.

- Keep all electrical connections dry and off the ground.
- Be always aware of your surroundings. Cone off open utility holes and follow traffic control regulations.
- Use personal protection such as eyewear, rubber gloves, and non-skid safety shoes.
- **Do not** use the control module as a handle to move the reel. Remove the control module or use the steel handle that is part of the reel's frame.

◆ Worksite Safety

- Use your company's or other applicable safety codes and rules when using this equipment.
- **Do not** use this equipment in explosive areas – such as in the presence of flammable liquids, gases, and heavy dust.

◆ Equipment Safety

- **Do not** open the enclosures (housings) of the control module or camera heads.
- Opening the housings, control module, or camera head will void any warranty.
- Use only the leads supplied with the control module for AC or DC operation and charging.

◆ Batteries and Environmental Safety

Vivax-Metrotech products use four types of batteries:

- Alkaline batteries
- Ni-MH (Nickel Metal Hydride) – rechargeable
- Lithium-ion batteries – rechargeable
- Lithium metal batteries – (small non-rechargeable button cells for "clock" applications)

a. Alkaline Batteries (Sondes, Light Kits or Locators)

- When replacing the alkaline batteries – use only the size and type specified – **do not** mix battery types (rechargeable and alkaline).
- **Do not** mix partially discharged and fully charged cells in the same battery pack – **do not** mix old with new.
- Never attempt to charge alkaline batteries.

◆ The heat from camera head LEDs



The camera head may become hot when left on while not performing an inspection. Handle the camera head with care when it is sitting outside

of the pipe for extended periods. We recommend using the camera skid and turning down the LEDs. The camera LEDs will automatically turn off after 5 minutes of no activity. No activity is triggered by the pushrod drum not spinning after 5 minutes.

◆ High-Pressure Water or Pressure Washers



Do not use pressure washers to clean the reel or other camera system parts.

◆ Bleach and chemicals - Do not soak the termination parts or camera heads



Do not soak the spring termination parts or the camera heads in bleach or other chemicals.

◆ Intended Use

This product is designed to inspect sewer laterals and basic indoor and outdoor plumbing. This product is not designed for and should not be used to inspect oil or other petrochemical pipes.

◆ FCC & IC Statement

Please note that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference, and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radioexempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

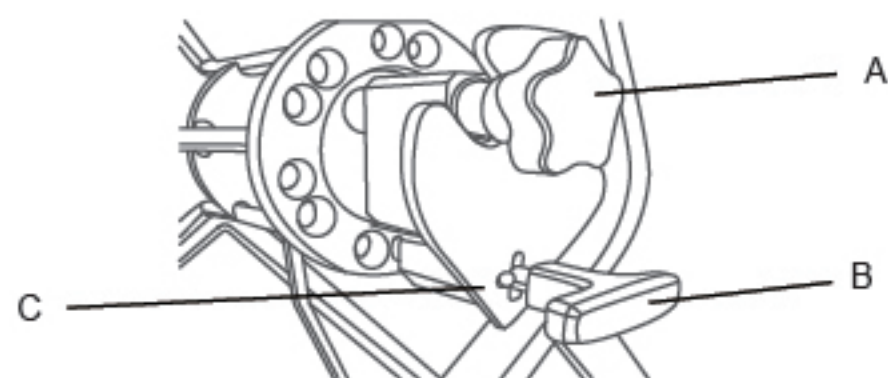
- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body. This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body. ce matériel est conforme aux limites de dose d'exposition aux rayonnements, CNR-102 énoncée dans un autre environnement. cette équipement devrait être installé et exploité avec distance minimale de 20 entre le radiateur et votre corps.

Using the Reels

Cage Lock - Unlock the cage lock by pulling the T-knob (B), turning it a ¼ turn and releasing so the pin falls into the keyed slot (C).

Friction Brake - Set the friction brake (A) to slow the movement of the cable rod drum.



Cable Guide - Turn the reel so that the pushrod goes through the cable guide.



Keyboard Function Keys

Keys	Function	Description
ESC	Menu step back and clear text	Returns to the previous screen or clears text from the screen
F1 Help	Help	Control Module help and information screens
F2 Info	On-screen Distance, Date and Time	Toggles information position on the screen. Bottom, Top, Off
Ctrl + F2	Information Color	Changes the text color of the on-screen Distance
Ctrl + F3	Text Writer On/Off	Turns the text writer on & off
F3	Text Color	Changes the text font color
F4	Background Color	Changes the color
F5	Recall Page	Recalls saved pages
F6	Save Page	Save current page to memory
F7	Delete Page	Delete the current page
F8	Delete All Pages	Delete all saved pages
F9	Display Setting	Adjust LCD settings
F10	Menu	Access File and Setup Menus
F11	Font	Changes the font size
F12	WiFi On/Off	Turns WiFi on and off

Basic Functions

Video Recording:

1. Press  to start recording.
2. Press  to stop recording and return to live camera.

Snapshot Recording:

1. Press the  camera key to take snapshots when viewing or recording from the camera or during video playback.

Zooming:

1. Press  to activate zoom window.
2. Use the arrow keys to select an area to zoom, then press enter.
3. Repeat these steps to use three levels of zoom.

vCam-6 Menu Navigation

Use the F10 Menu key to open the "File Menu." Use the **Left/Right arrow** keys to move through the various menu sections.

To select multiple files to copy, move or delete, highlight the file and press the Enter Key to check multiple files. Press the TAB key to select the full page of videos or pictures.

Video Playback and Viewing Snapshots

Press the **Menu key** to bring up the File Menu.

Use up/down keys to select All Files, Videos or Pictures, right arrow to video or picture file list, use down arrow to highlight video to play or picture to view, right arrow to Play and press Enter or use right arrow to play or view.

Copy, Move, Delete or Rename Videos and Pictures

Insert a USB stick or SD card into the media port on the left side.

Follow the above Menu Navigation instructions but for the last step, select Copy, Move, Delete, or Rename as the action.

A progress indicator will appear on the screen showing the time remaining for the file copy, move or deletion. Wait until the progress indicator goes away and the main file menu is displayed before removing the USB stick or SD card.

NOTE

Copy = Makes a copy of the video or picture on a USB stick or SD card, the original remains on the hard drive.

Move = Moves the file from the hard drive to the USB stick or SD card. No file remains on the hard drive.

Delete = Deletes the file from the hard drive.

TIPS



It is not recommended that the internal hard drive is used for long-term storage. It is good practice to do regular backups and transfer videos and pictures to an external storage device or office/home computer.

The vCam Mobile Controller (VMC) connects a tablet or smartphone to the vCam-6 via Wi-Fi and streams the live video into the app. The videos and pictures captured in the app can be shared using the tablet's native sharing options.



vCam Mobile
Controller App



Download on the
App Store



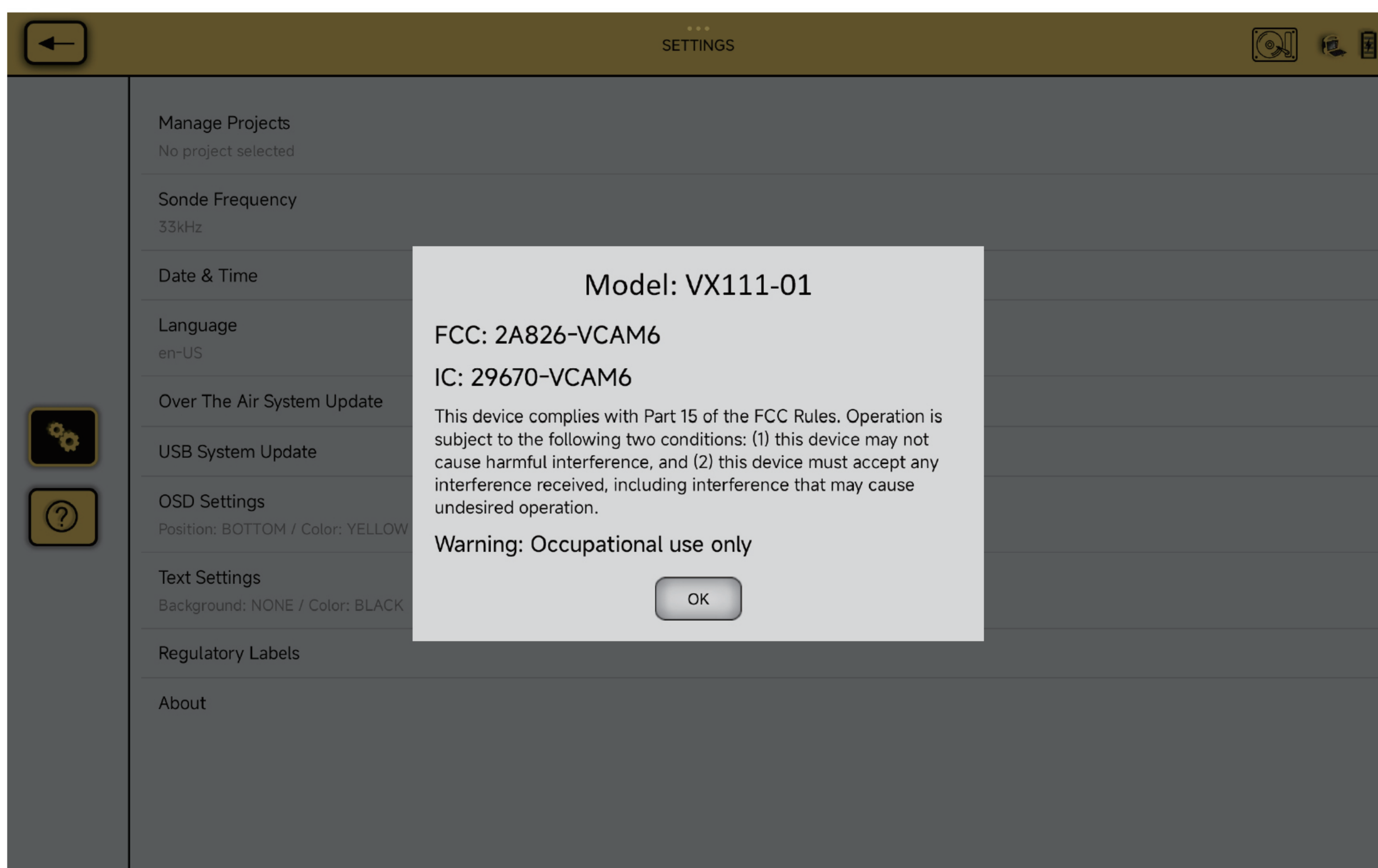
GET IT ON
Google Play

The VMC app is available from the Apple App or Google Play sites.

Regulatory Labels

This section shows the required FCC and IC information.
To access this information do the following:

1. At the Main screen select the Setting  icon.
2. Tap on the Regulatory Labels to find the FCC and IC information.



Vivax-Metrotech Corporation **(World Headquarters, United States of America)**

3251 Olcott Street, Santa Clara, CA 95054, USA

T/Free: 1-800-446-3392

Tel: +1-408-734-3880

Fax: +1-408-734-1415

Email: SalesUSA@vxmt.com

Vivax-Metrotech Ltd. (UK)

Unit 1, B/C Polden Business Centre, Bristol Road,
Bridgwater, Somerset, TA6 4AW, UK

Tel: +44(0)1793 822679

Email: SalesUK@vxmt.com

Vivax Canada Inc. (Canada)

41 Courtland Ave Unit 8, Vaughan, ON L4K 3T3, Canada

Tel: +1-289-846-3010

Fax: +1-905-752-0214

Email: SalesCA@vxmt.com

Visit our website at www.vivax-metrotech.com and subscribe to our newsletter so we can keep you informed of any firmware updates.