

Quick Start



ORYX 4G-ZA-60 PRO [CELLULAR/Email/FTP/FTP(S)] - BLACK FLASH (Camo) + built-in viewer

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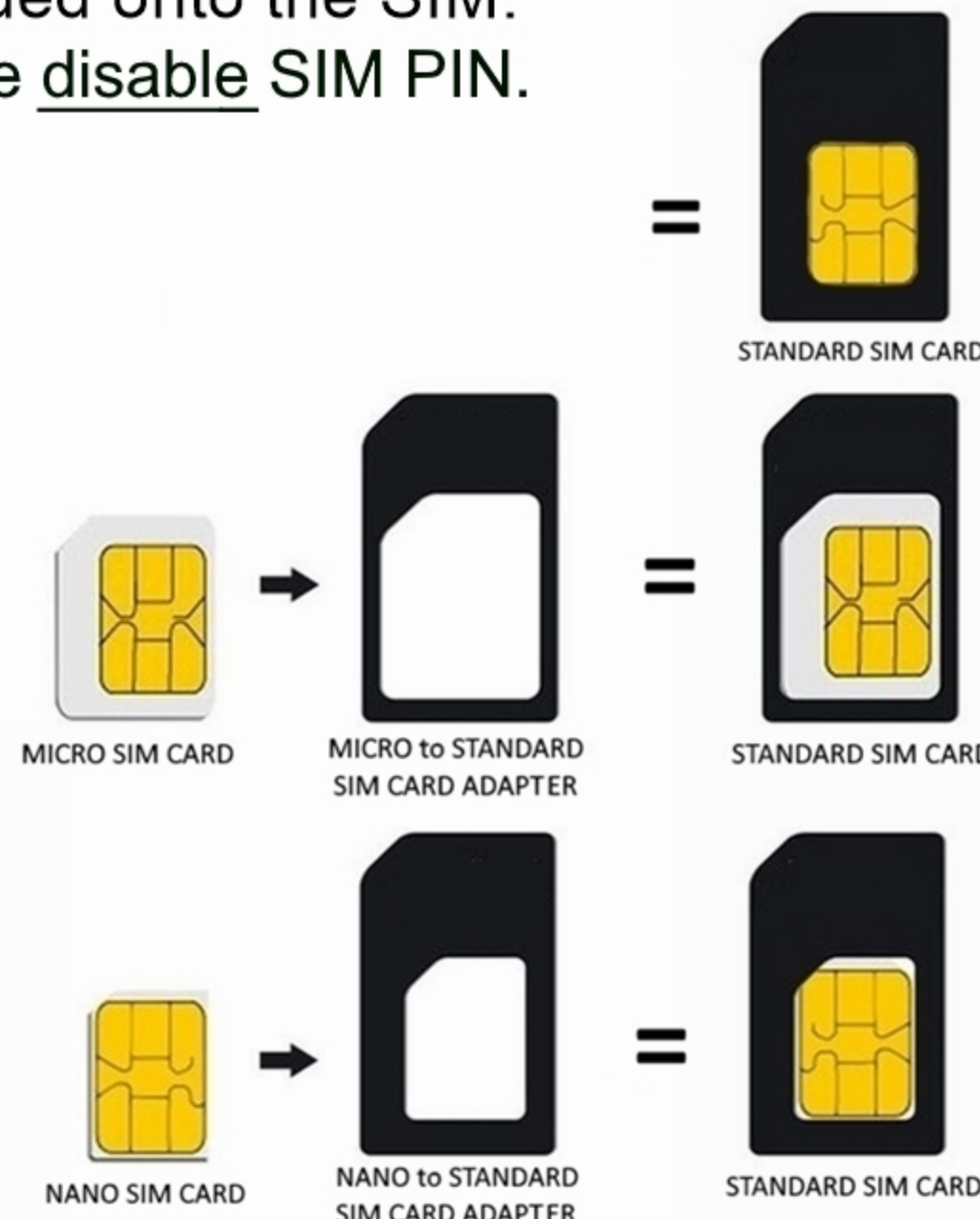
ORYX 4G-ZA-100 PRO [CELLULAR/Email/FTP/FTP(S)] - BLACK FLASH (Camo) + built-in viewer

Before you start, you need to prepare the following things:

- 1.** Standard size SD or SDHC (high capacity) memory card (max size 32GB)
- Micro-SD memory cards with adapters are NOT recommended.



- 2.** Standard SIM card (active and network enabled).
Please ensure sufficient *Data & Airtime is loaded onto the SIM.
Please disable SIM PIN.



- 3.** 4, 8 or 12 x AA size batteries
- Do not mix different types of batteries
- Do not mix old batteries with the new batteries

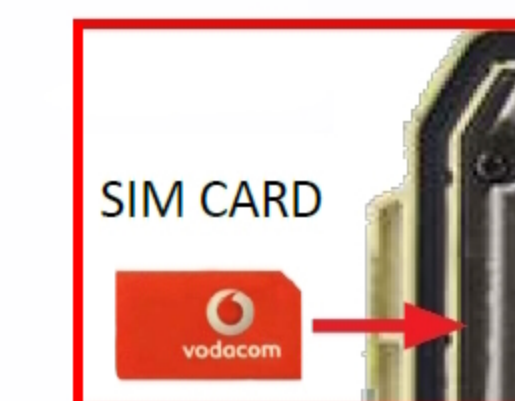
The following batteries can be used:

- High-density and high-performance AA size alkaline or 1.5v Lithium batteries (Recommended)
- Rechargeable 12V external SLA battery (Sealed Lead Acid) or solar panel
- Rechargeable NiMH AA size batteries (at least 2500mAh)



- 4.** The camera

* Data (for sending via Email / FTP / FTP(S))
Airtime for sending via MMS



Getting started...

(1) Formatting the SD card - *this can be done through a Windows PC / Laptop or by the camera.*

(a) Switch the camera to **SETUP**

(b) Press the Playback button / ▲ arrow and it will display 'No File'.

(c) Press the MENU button and choose 'Yes' to format the SD card



(d) Press the Playback button / ▲ arrow to exit and return to the main screen.

(2) Configure the camera settings

Press "MENU" key to enter the menu to view and change settings to your preferences. Please press the arrow keys to navigate and the "OK" key to confirm / save settings.

Getting started... (cont...)

(3) Connecting to the cellular network

The cameras have a 'SIM AUTO SEARCH' feature and you will notice the camera will display 'Searching...' and after a few seconds it will show cell signal bars. This means the camera has automatically connected to the cell network (this saves having to manually input any cell network parameters).

- Now you only need to choose the send mode (MMS / SMTP Email / FTP / FTPS) and fill in the receiving cell phone number(s) / Email addresses etc. in the "SEND TO" menu option to instantly receive photos / videos upon motion triggers.

If the screen displays "SIM AUTO MATCH FAILED" then the parameters will have to be manually input into the camera.

(i) Navigate to the '4G' tab, select "SIM AUTO MATCH" and then select "MANUAL" to input in the applicable cellular operator network parameters (*see below for SA operators*). Once saved the camera will connect to the applicable network to be able to send photos / videos.

VODACOM

MMS

MMSC (URL): http://mmsc.vodacom4me.co.za/
APN: lte.vodacom.za
Proxy (Gateway): 196.6.128.13
Port: 8080
Username: (blank)
Password: (blank)

4G (GPRS / Internet)

APN: internet
Username: guest
Password: (blank)

MTN

MMS

MMSC (URL): http://mms.mtn.co.za/mms/wakens/
APN: myth
Proxy (Gateway): 196.11.240.241
Port: 8080
Username: mtnmms
Password: mtnmms

Internet

APN: internet
Username: guest
Password: ()

Telkom

MMS

MMSC (URL): http://mms.8ta.com:38090/was
(or)
http://mmsc.telkomsa.net
APN: mms
Proxy (Gateway): 41.151.254.162
Port: 8080
Username: guest
Password: guest

Internet

APN: internet (or) TelkomInternet
Username: (blank)
Password: (blank)

Cell C

MMS

MMSC (URL): http://mms.cmobile.co.za/
APN: mms
Proxy (Gateway): 196.031.116.250
Port: 8080
Username: (blank)
Password: (blank)

4G (GPRS / Internet)

APN: internet
Username: (blank)
Password: (blank)



(i)



Getting started... (cont...)

(4) Sending / transmitting camera pics / video clips

The camera can instantly send receivers the captured footage in the following ways (navigate to the '4G' tab and select your preferred method);

MMS (pics ONLY)

Choose ON or OFF

You can choose to allow pics (only) to be sent to cell phone numbers via MMS by switching **ON** the MMS function. Note: MMS sending is more expensive than SMTP / FTP / FTPS sending & you can only send small size pics to cell phones. MMS sending does not allow for video clip sending.

Once selected navigate to '**Send to**' / '**Phone**' and input your required MMS receiving cell phone number(s) with **no country prefixes** (i.e. 0812345678).

SMTP [D = Default] - using camera's default settings (*limit of 50 / day*)

The camera comes with its own default SMTP settings for sending pics / video by Email so you only need to enter receiving Email accounts in "Send to". This has a daily limit of 50 e-mails / day and for most users, this limit is not a problem, but in some cases it can be a limitation. In that case, and in case you do not want to use the manufacturer's suggested mail server for sending e-mails, here you can choose the option "Manual Setup". Use M [Manual] setup if you'd like to use your own sending SMTP parameter settings.

SMTP [M = Manual] - using your own sending SMTP settings

You can also **manually** input your own SMTP sending email parameters by selecting '**SMTP**' / '**Manual**' and filling in the relevant parameters;

If you only want to send via SMTP [M], ensure 'SMTP' option is set to '**M**' and that the 'MMS' & 'FTP(S)' options are set to **OFF**

Mail Server IP: This is the mail server SMTP setting of the SENDING e-mail account that you want to use for SENDING the e-mails to your receiving e-mail account(s).

Port: This is the communication port for the SENDING e-mail account.

Mail Account: This is the SENDING e-mail address you want to use as the sender account.

Mail Password: This is the password that belongs to the SENDING e-mail account you set above.

PLEASE DO NOT USE Gmail / Yahoo etc. SMTP parameter settings as these will not work due to security protocols issued by Google / Yahoo etc. respectively.

PLEASE USE

(1) YOUR OWN PERSONAL DOMAIN SMTP SENDING E-MAIL PARAMETERS IF YOU OWN OR HAVE ACCESS TO A DEDICATED DOMAIN

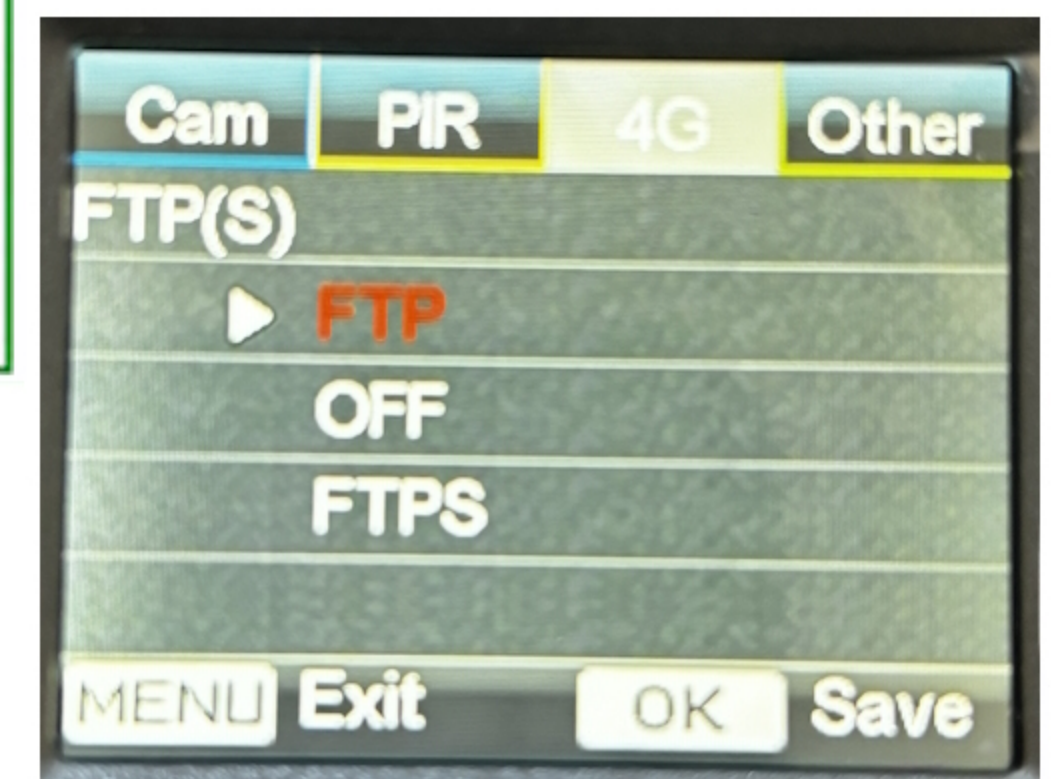
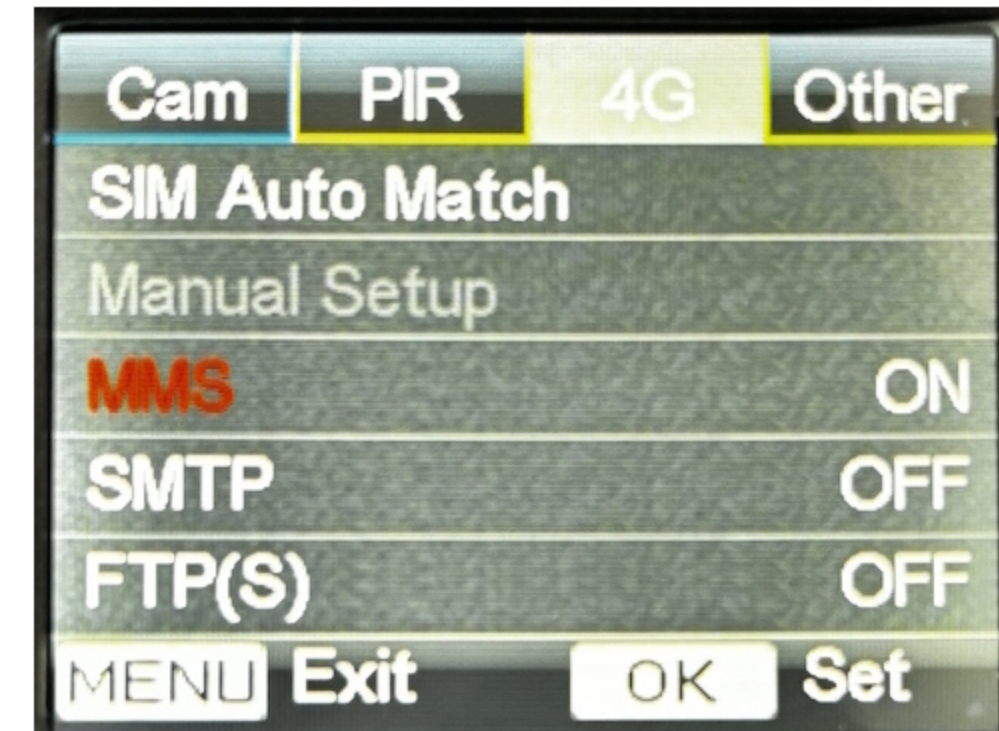
(2) IF YOU DO NOT OWN OR HAVE ACCESS TO A DEDICATED DOMAIN, YOU CAN TEMPORARILY USE THE FOLLOWING BELOW:

Mail Server IP: smtp.cameratraps.co.za
Port: 587
Mail Account: cameratraps@cameratraps.co.za or cams@cameratraps.co.za
Mail Password: Camera12345

PLEASE NOTE: Cam triggers can be delayed due to clogging of the SMTP servers (left). To avoid delays, please use / create your own personal domain smtp sending parameters.

FTP / FTPS (File Transfer Protocol / Secure) sending

You can configure settings for automatically forward images to an FTP/FTPS server address. We will not go into this further in this manual as it is quite advanced and for those for whom it is relevant, it is often clear how this setting should be configured. In all other cases, this setting can simply be turned OFF.



- What can be sent via each mode?
- Check Settings & ARMING the camera...

(5) What can be sent via MMS

- MMS / Photo: 1 x photo per trigger event. If Multi-shot is ON only the 1st photo will be sent (all multi-shot images are still saved to SD card)
- MMS / Video: Video clips cannot be sent via MMS (all video clips are still saved to SD card)
- MMS / PIC+Video: Only photo's will be sent. If Multi-shot is ON only the 1st photo will be sent (all multi-shot images and video clips are still saved to SD card)

(6) What can be sent via SMTP (Email) / FTP / FTPS

- SMTP (Email) / FTP / FTPS / Photo: 1, 2, 3, 4 or all 5 x photo per trigger event. If Multi-shot is ON you can select which / how many of the Milti-shot photo's to send (all multi-shot images are still saved to SD card)
- SMTP (Email) / FTP / FTPS / Video: 5 sec or 10sec video clips can be sent (all video clips are still saved to SD card)
- SMTP (Email) / FTP / FTPS / PIC+Video: All photo's AND all video clips will be sent. If Multi-shot is ON you can select which / how many of the Milti-shot photo's to send (all multi-shot images and video clips are still saved to SD card)

(7) Check camera settings / parameters

Go through the menu options and double-check all your preferred settings and applicable send mode parameters have been saved.

(8) Arming the camera

Once setup is complete and settings have been checked, switch from "SETUP" to "ON". The screen will switch off and the motion sensor LED (red) in the front of the camera will flash every second until it stops (this is a countdown to allow you to mount and close the camera).

- Once it stops flashing it is ARMED and the camera is ready to be motion triggered and immediately transmit camera triggers.

PLEASE NOTE (1): This LED (red) in the front of the camera can also be used to help position / aim the camera when switched to "SETUP". It will flash if the PIR sensor is activated to help users position / aim the camera correctly.

PLEASE NOTE (2): When ARMING, always first switch camera to "SETUP" and let it obtain cell signal. Once cell signal has been obtained it can be switched to "ON" to arm. Switching from "OFF" directly to "ON" without it obtaining cell signal may cause it not to transmit camera triggers. (5)

TrailCamera APP

With the TrailCamera App you can operate & control the camera remotely. E.g. you can request a test photo / video of that moment at any time or you can adjust settings in the camera via the app.

(6) Download / Install the 'TrailCamera' APP for remote control SMS functions of the ORYX 4G-ZA models...

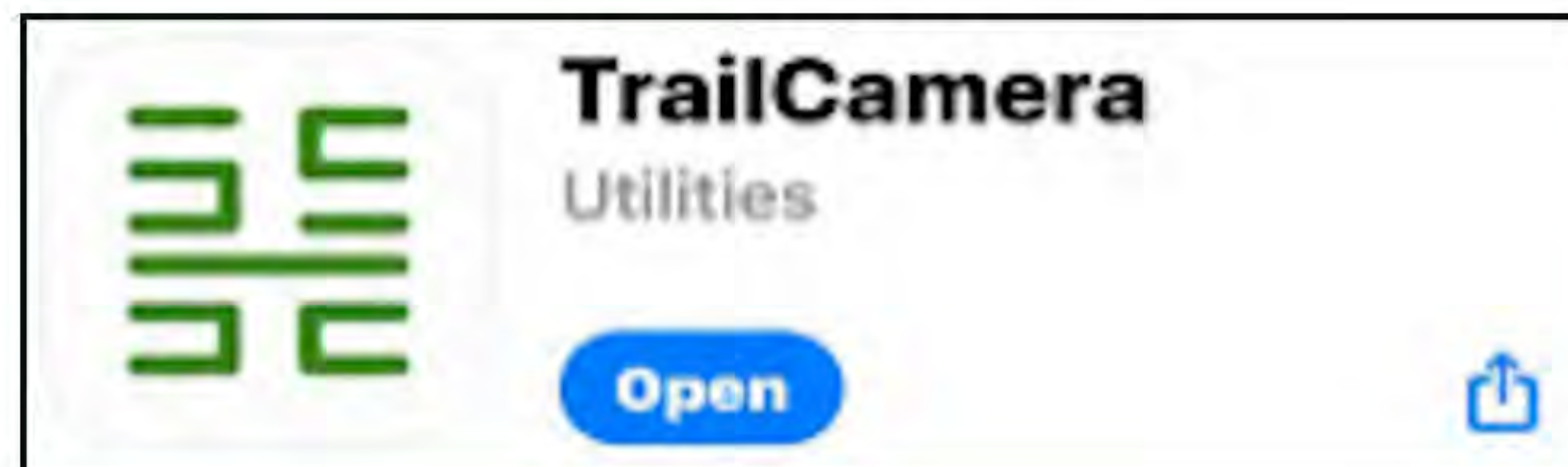
For iOS devices - Please scan this QR code below to download the TrailCamera APP.



For Android devices - Currently the Android app version is being reviewed by Google. After Google reviews it, it can be downloaded normally.

- In the meantime you can still get the Android TrailCamera App by downloading the .apk file and installing it directly on your Android phone.

- Please click [here](#) for the TrailCamera.apk file
- Please click [here](#) for installation instructions on Android devices.



TrailCamera APP cont...

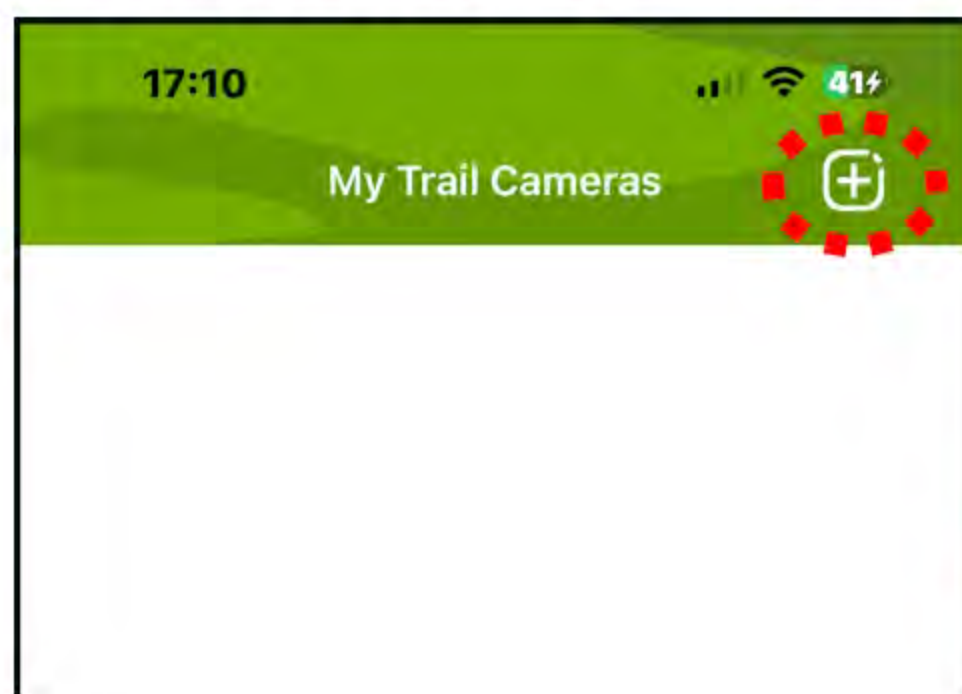
(7) Setting up & using the TrailCamera App

(i) Start the app and (+) add the camera by giving it a name and add the cell phone number of the SIM card in the camera (standard format, and without country codes or spaces. E.g. 0812345678).

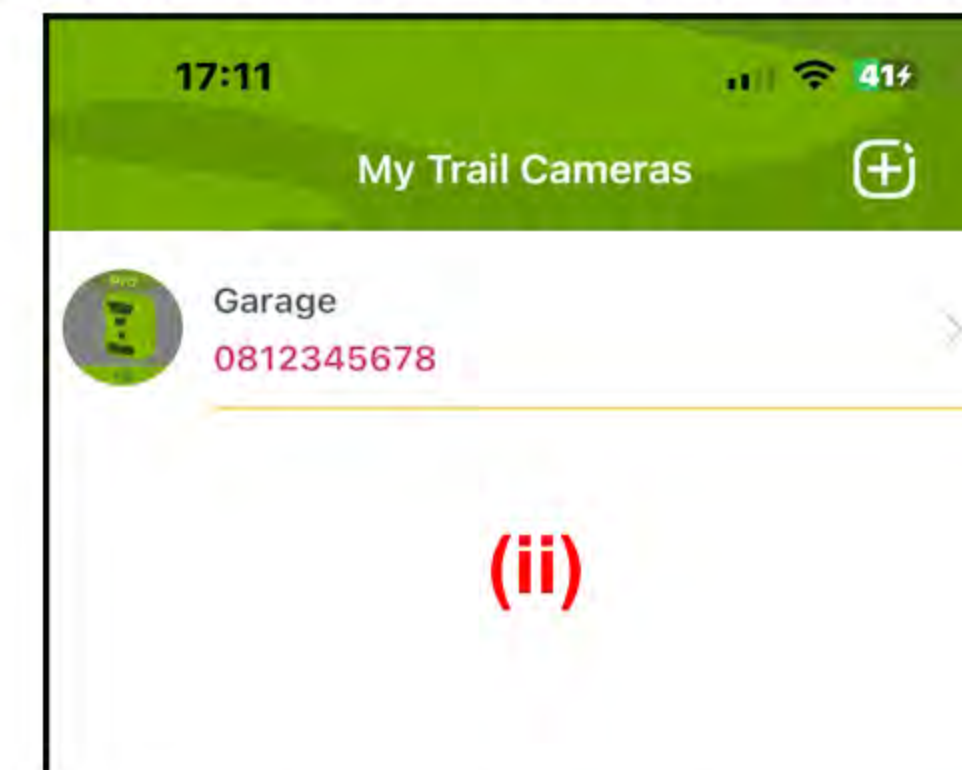
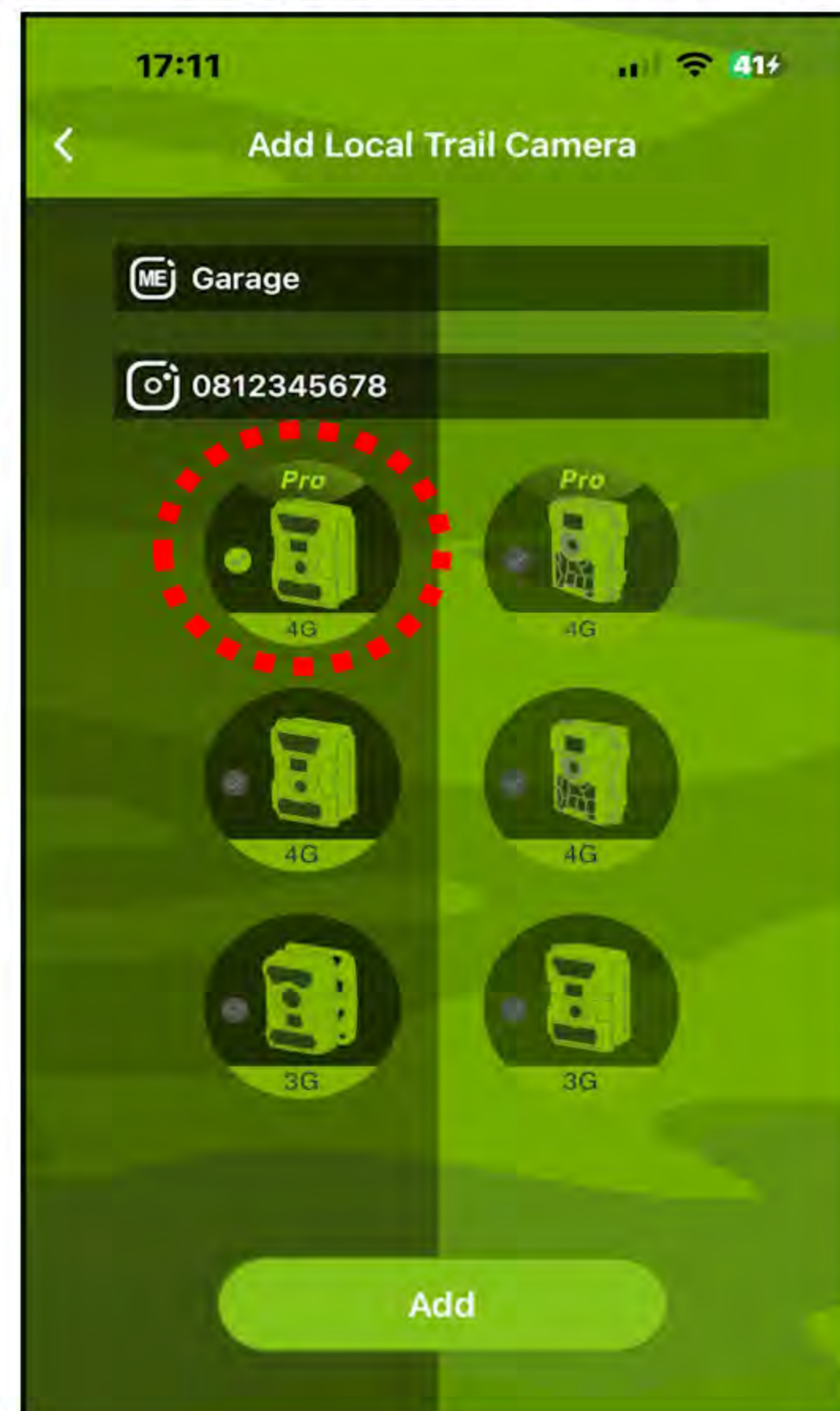
- Then select the correct camera model (Pro 4G) from the icons. Then click on ADD.



(ii) The camera has now been added to the app and it will be displayed. If you have several cameras, you will see them listed below each other.

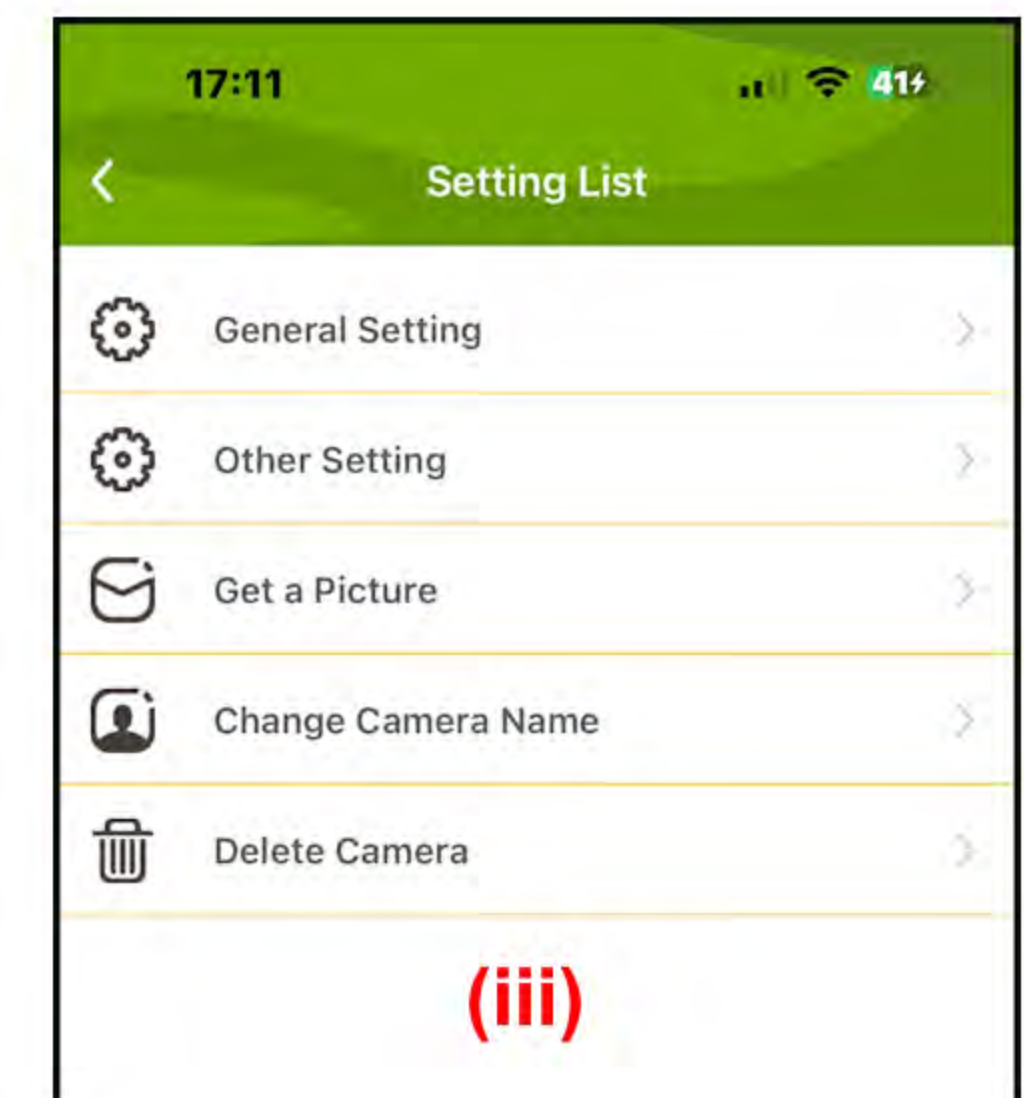


(i)



(ii)

(iii) By clicking on your camera in this list, the window (right) will appear. Here you will see 5 options:



(iii)

General Setting

- gives you insight into the general settings of the camera (especially related to the transmission of images / video clips).

Other Setting

- gives insight into the other camera settings.

Get a Picture

- allows you to request & immediately retrieve an image / video of that moment from the camera.

Change Camera Name

- allows you to change the name of your camera.

Delete Camera

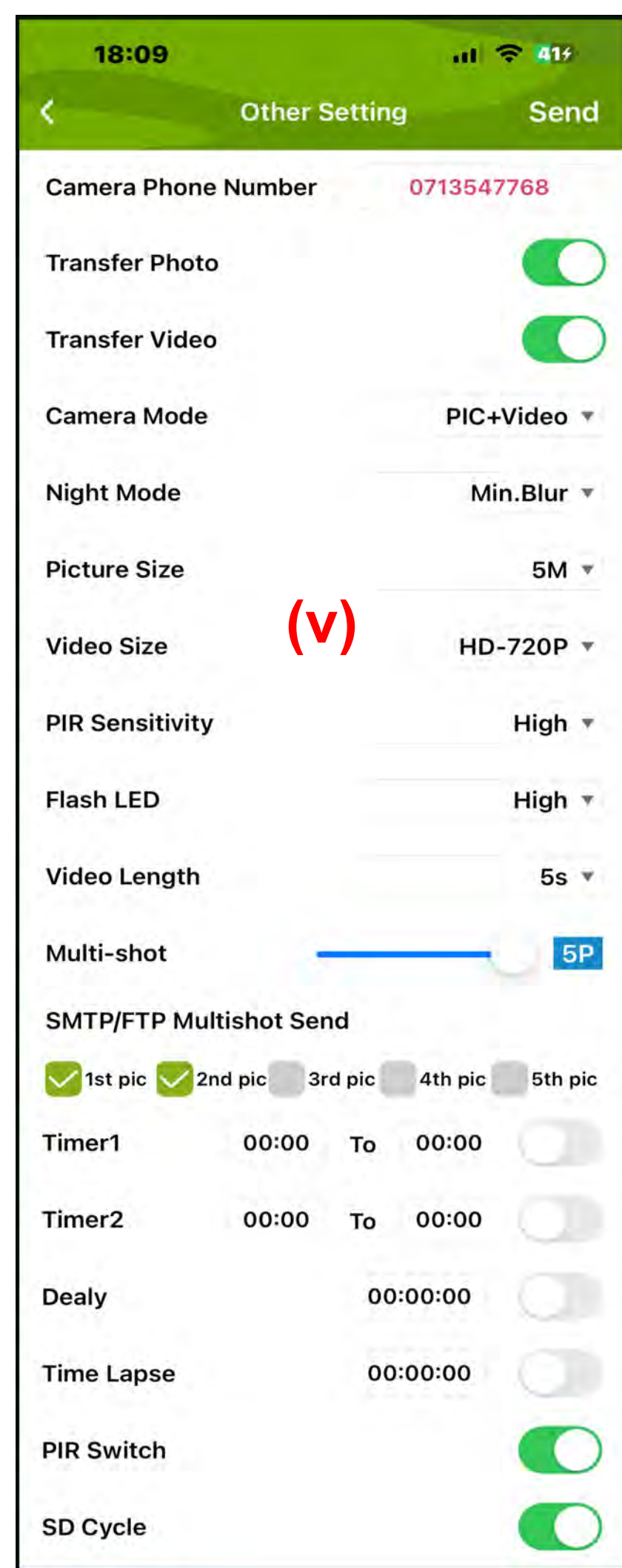
- allows you to delete the camera from the app.

TrailCamera APP cont...

(iv) General Setting: Here you can view and adjust all kinds of settings for the camera. All these options can also be found in the camera menu itself (more options can be set in the camera itself than in the app). For more detailed explanation of how the various menu options work please see the User Manual.

If you adjust settings in the app, you then need to press the “Send” button to send these new settings to the camera. The settings for different aspects of the camera can be adjusted individually and this explains why there are 3 x “Send” buttons on the screen.

- Top “Send” button only sends the adjusted settings related to the 7 x options directly above it.
- Middle “Send” button only sends a modification in the receiving cell phone numbers to which the images should arrive (MMS sending).
- Bottom “Send” button only sends a modification in the receiving e-mail address(s) to which the images / clips should arrive (SMTP sending).

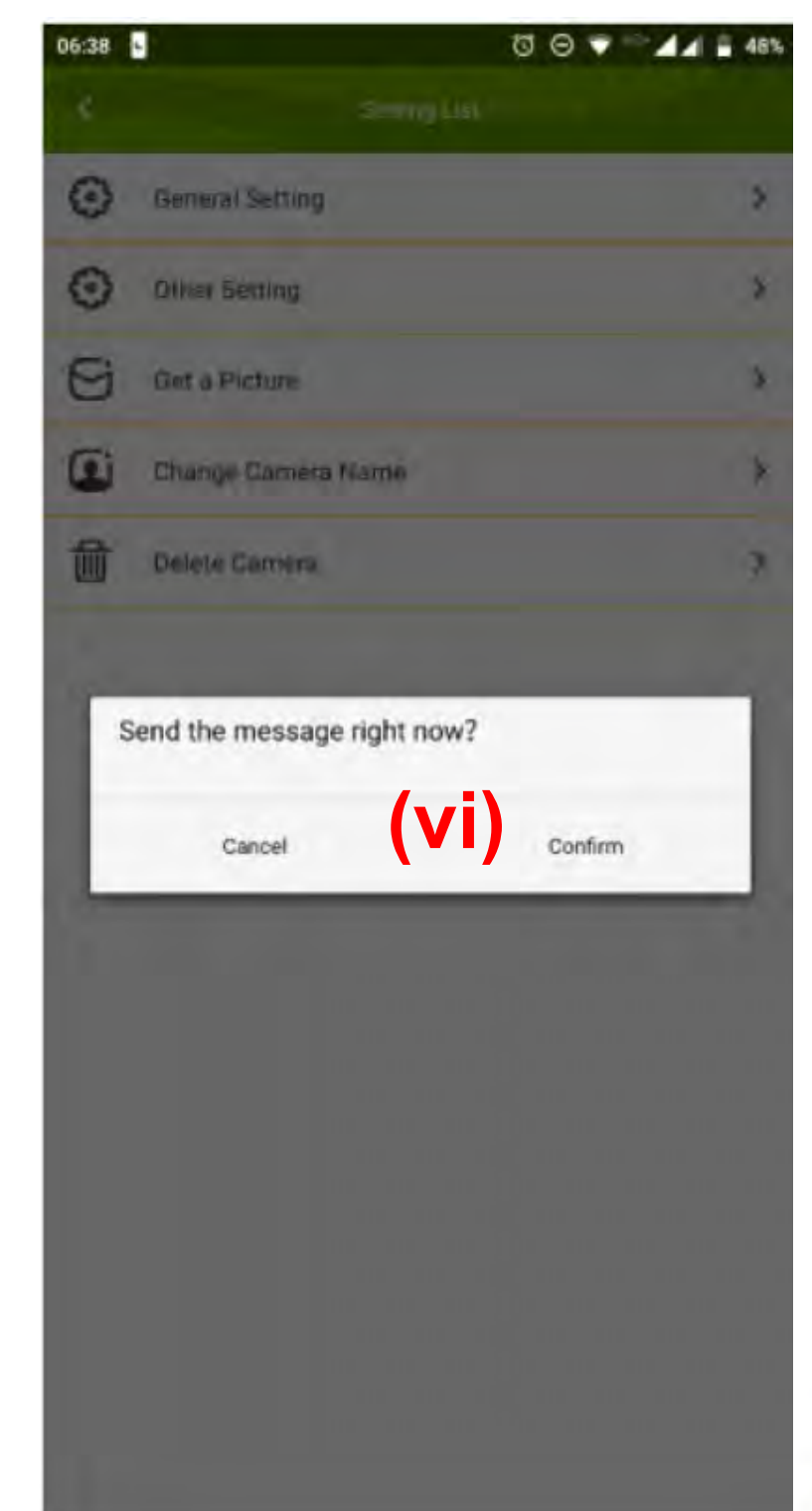
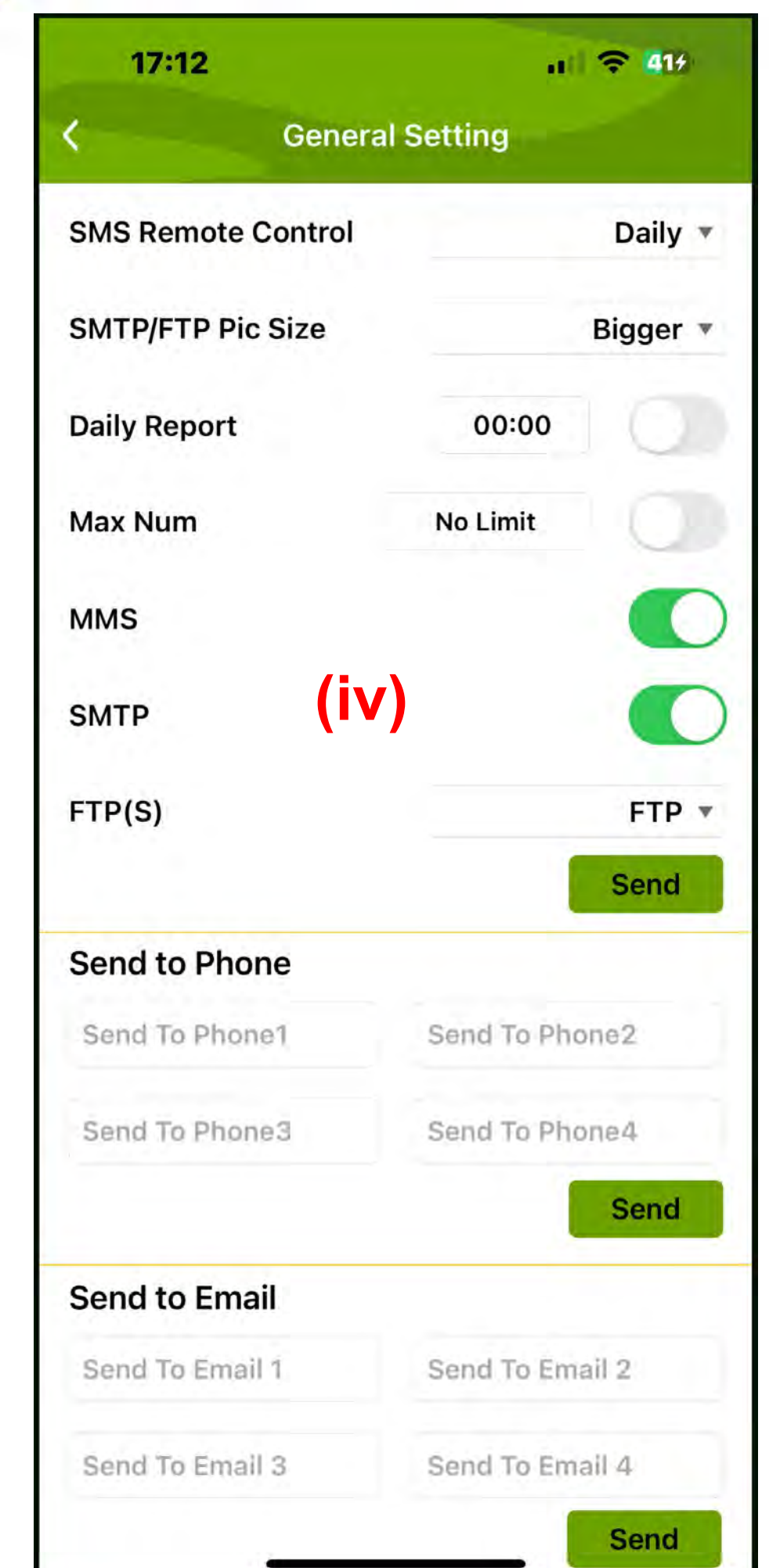


(v) Other Setting: Only 1 x “Send” button is visible in the top right corner of the top green bar. Adjustments to these settings are therefore always sent as a whole. Please make sure that all settings are always configured exactly as desired.

(vi) Get a Picture: By pressing this button you can instruct the camera to take a picture / video and send it to you. Depending on the setting for “SMS Remote Control (in the APP) / SMS Codes (in the camera menu)”, this command will be processed immediately and you will receive the footage after +/- 5-10 seconds (setting “Instant (in the app) / Immediately (in the camera menu)”, or this command will be processed at the next synchronization moment of the camera (setting “Daily (in the app) / 1 x per day (in the camera menu)”).

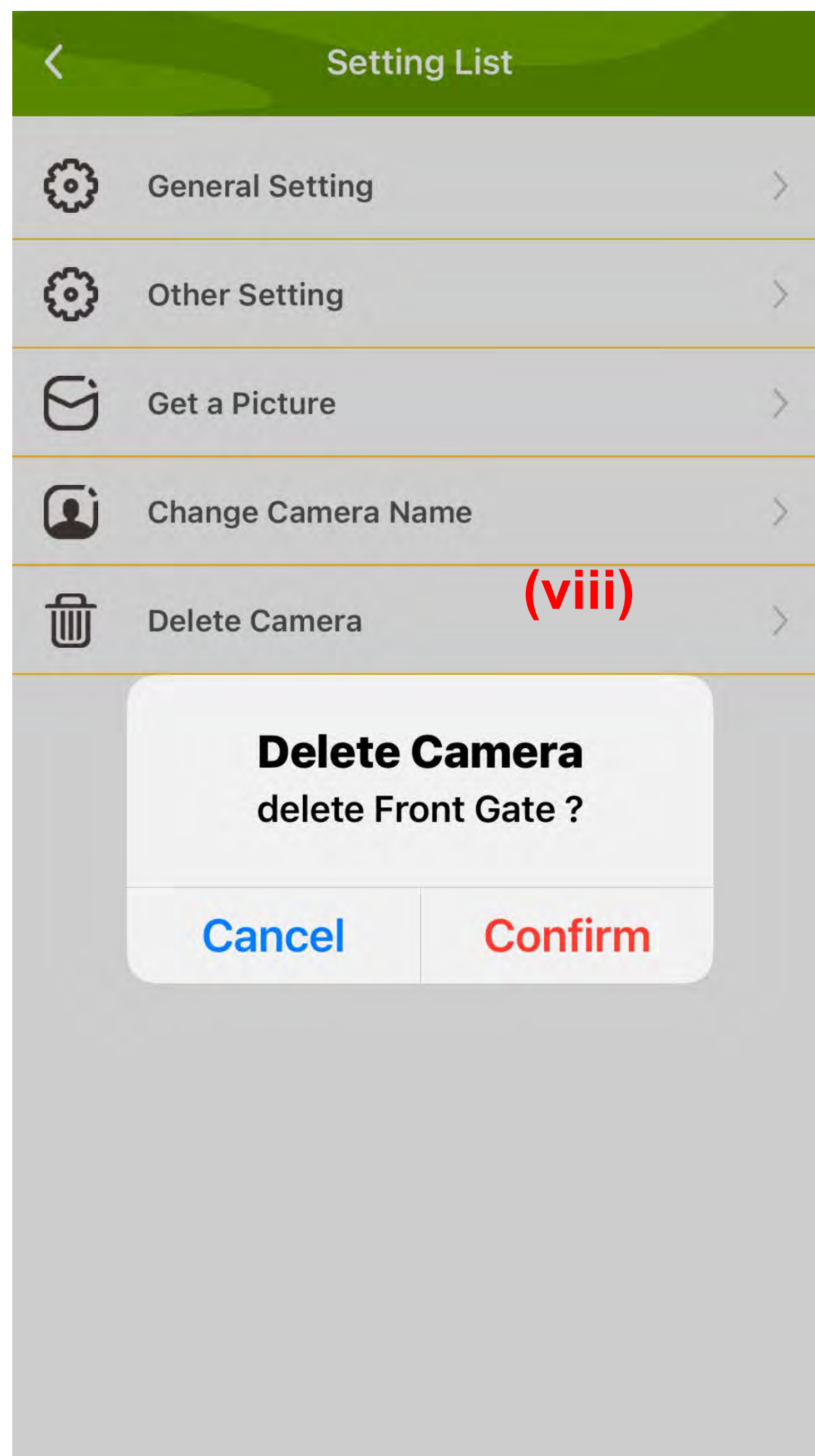
After pressing this button, a pop-up window appears asking you to confirm your request.

- Click Confirm to send the command.



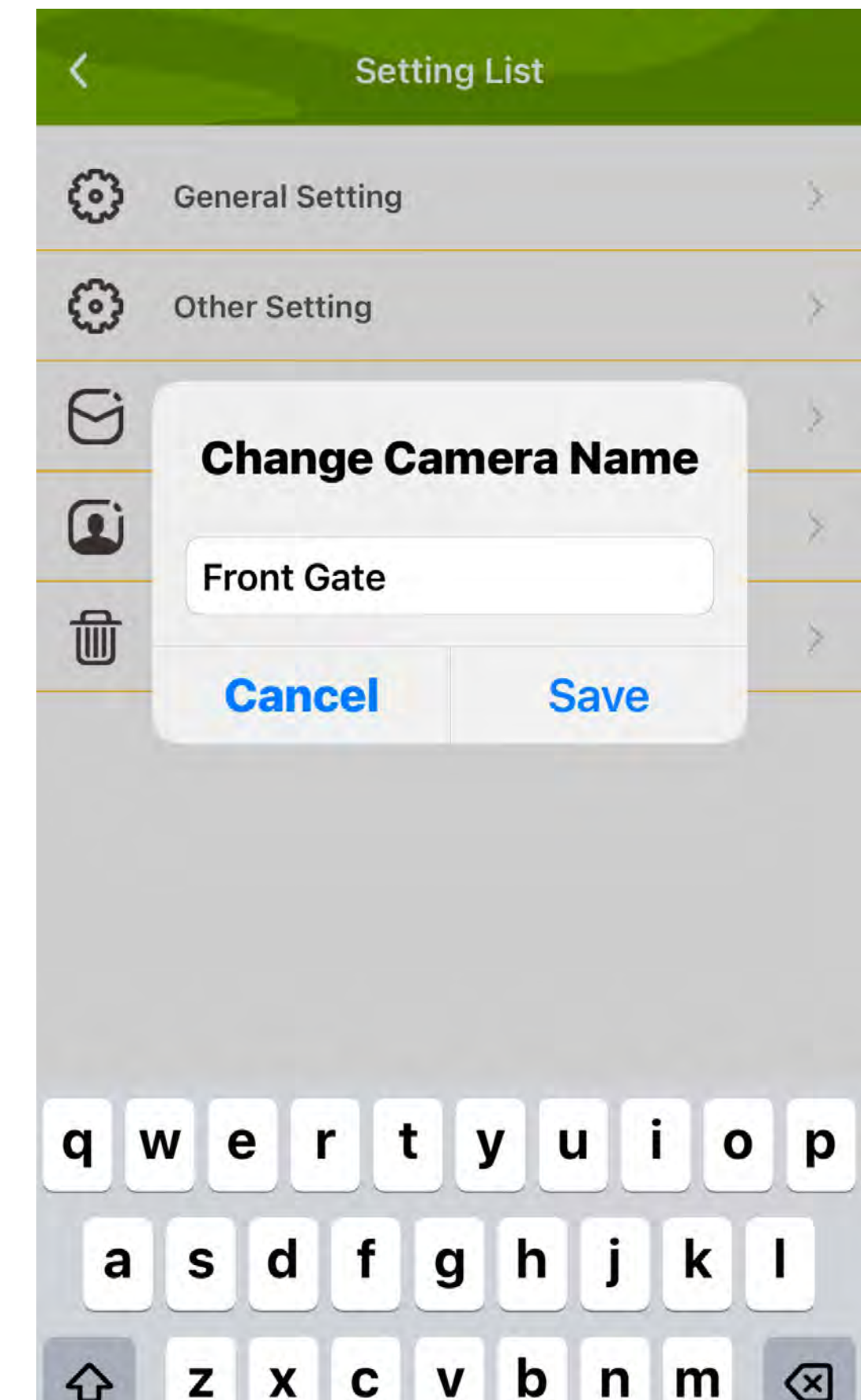
TrailCamera APP cont...

(vii) Change Camera Name: By clicking this you can change the camera name as shown in the app (max of 12 x digits A-Z & 0-9). Press Save to save the new camera name.



(viii) Delete Camera: Clicking this button will delete the camera from the app. Press Confirm to confirm your request.

(vii)



CAUTION: Depending on the setting for “SMS Remote Control”, the instructions that you send from the app (both for adjusting the settings and for the “Get a Picture” command) are either processed immediately (setting = “Instant”) or they are processed at the camera’s next synchronization moment (setting = “Daily”). The setting “Daily” is much more energy efficient than the setting “Instant”, because with the latter option, the camera needs to be constantly connected to the GSM network to ‘listen’ for instructions coming in from the app.