

Quick Start

SENDING VIA E-MAIL / MMS

SPARTAN GoCam (Cellular + Cloud) - BLACK FLASH

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 (Email) and Airtime (SMS commands) is loaded onto the SIM.
Please ensure SIM PIN is disabled.
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 6V external SLA battery (Sealed Lead Acid) or solar panel
- Rechargeable NiMH AA size batteries (at least 2500mAh)



4. The camera

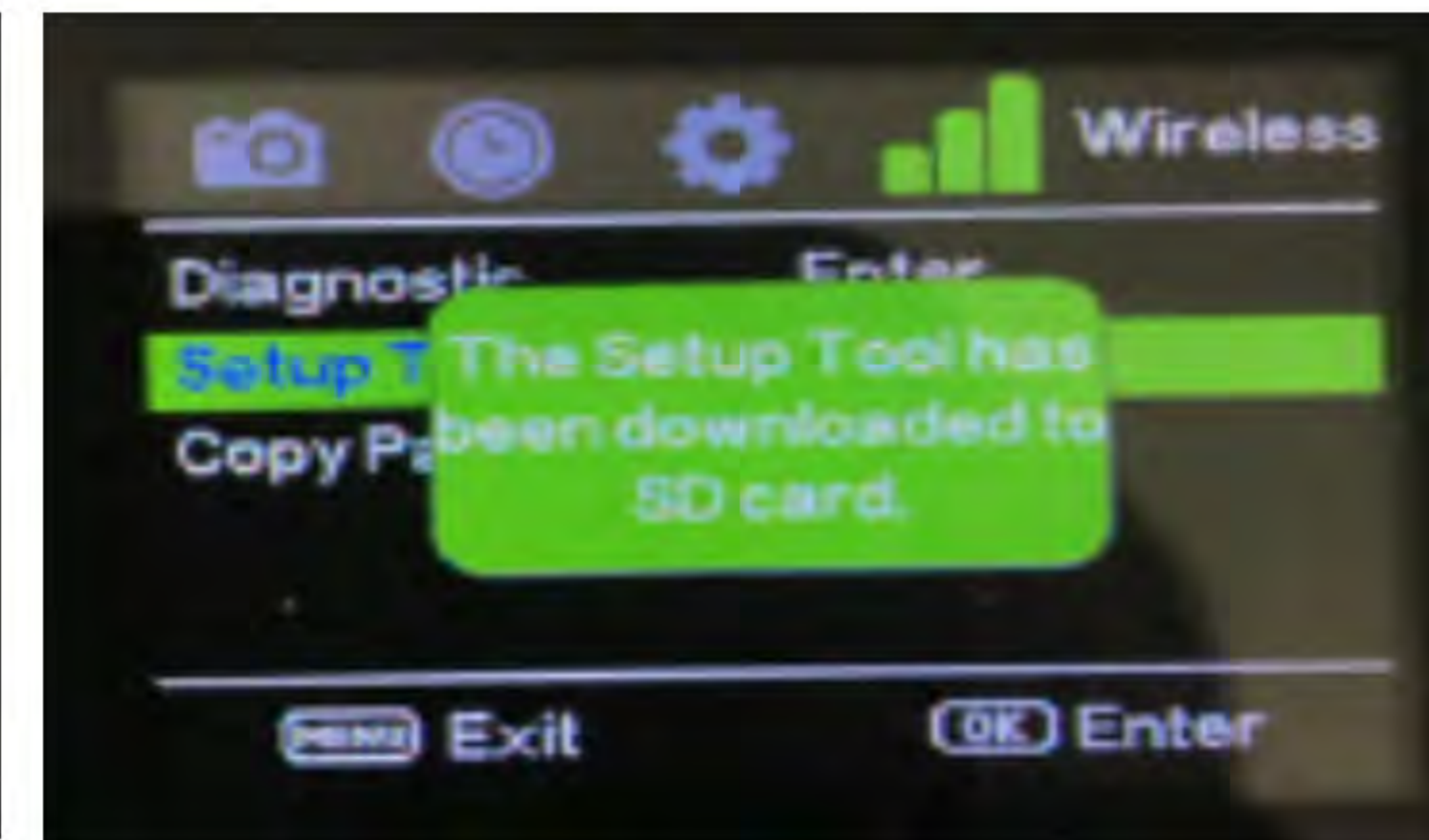
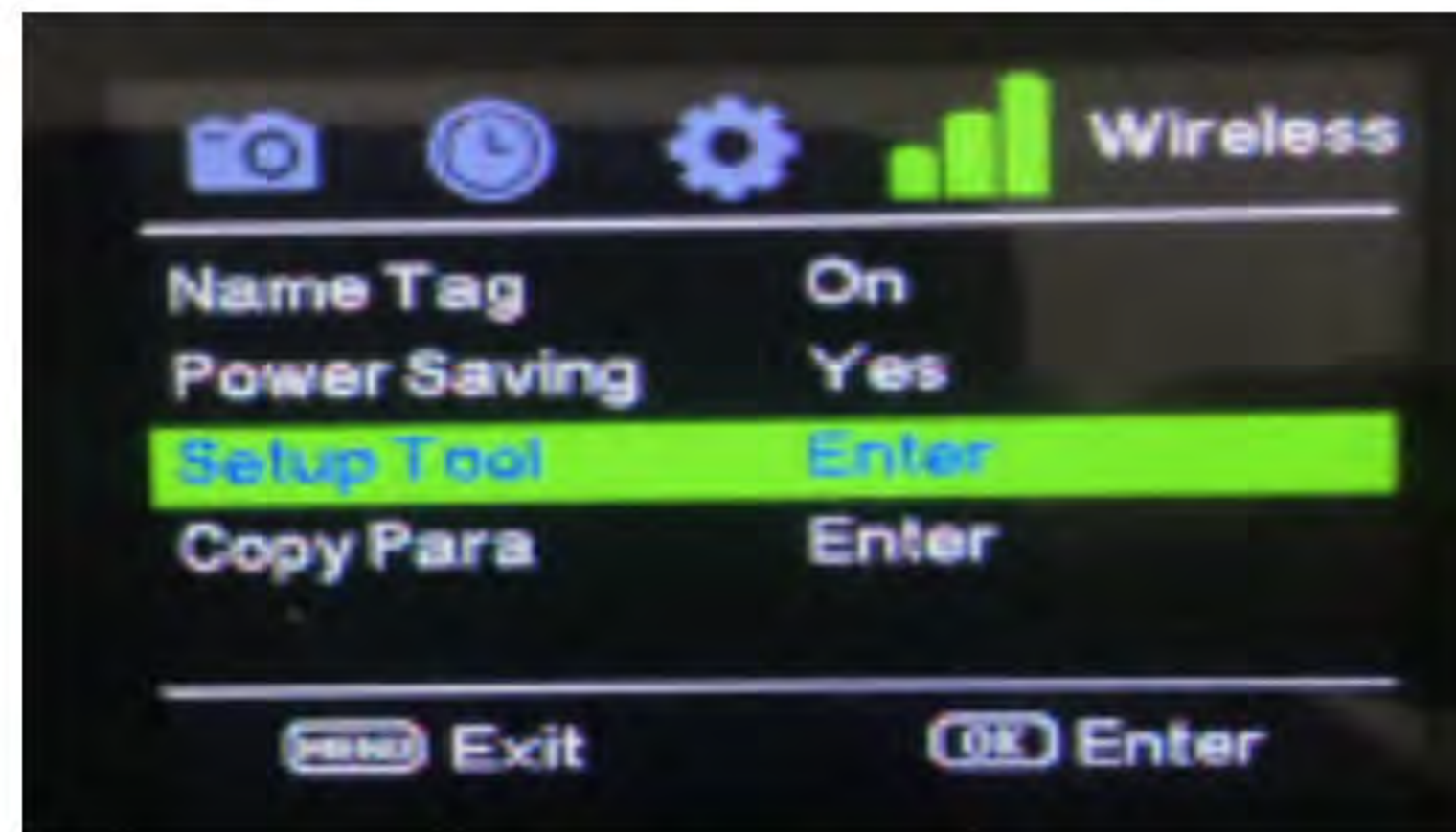
Downloading the Setup Program from the camera (WIRELESS.EXE)

FORMATTING THE SD CARD

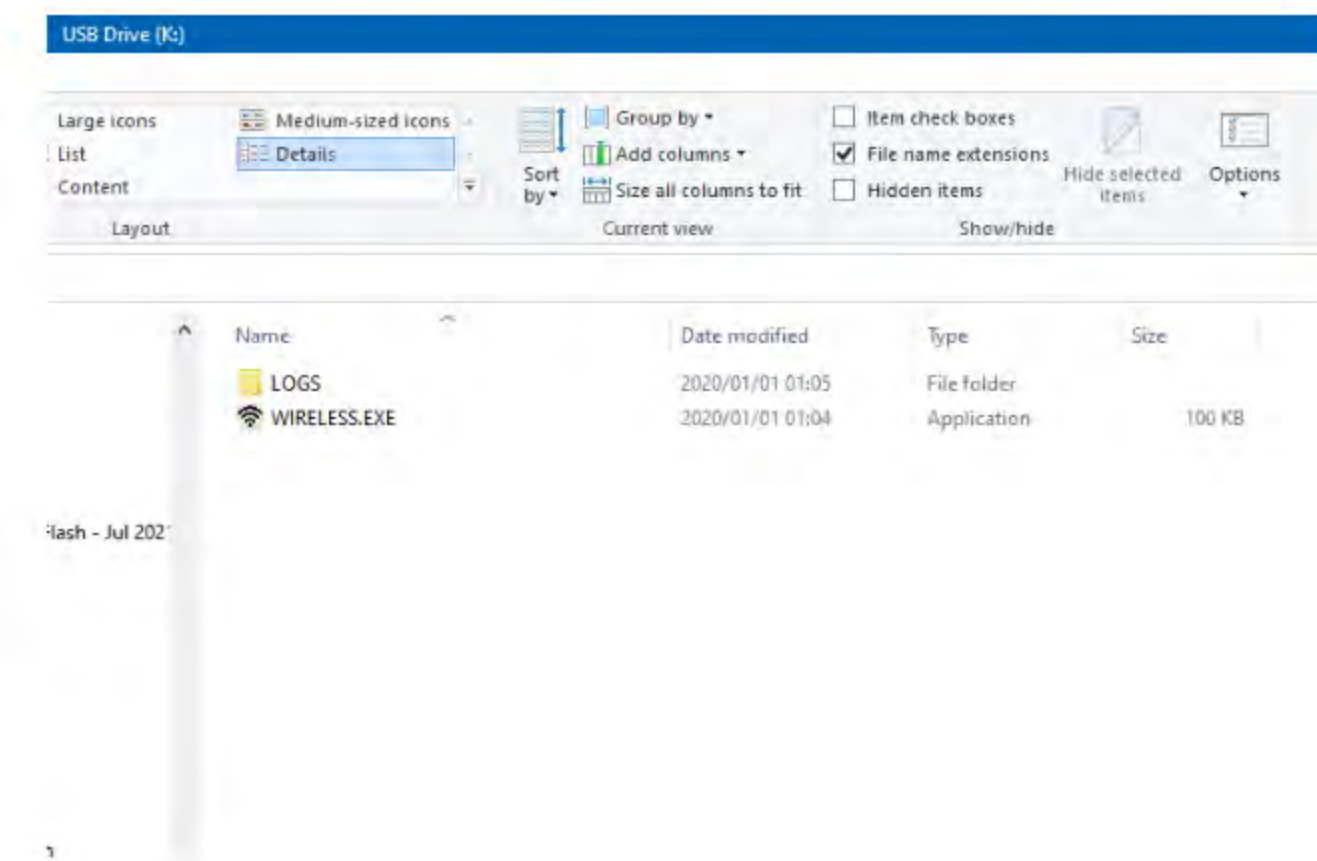
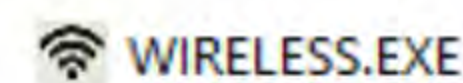
1. Switch camera power to 'SETUP'
2. Press MENU button, then navigate to the 'Settings' tab. Scroll down by pressing the ▼ button until the 'Format SD Card' option is highlighted and press 'OK' then choose 'Yes' to format.



3. Now navigate to the 'Wireless' tab and scroll down to 'Setup Tool' and press OK.
 - A message will appear 'The Setup Tool has been downloaded to SD card'
 - If message 'No File' displays, please contact CAMERA TRAPS cc (info@cameratraps.co.za)



4. Turn the camera OFF
 - Remove the SD card from your camera and insert into your WINDOWS PC / laptop card reader
 - Locate the SD card and 'WIRELESS.EXE' program from your PC / laptop (icon right)



TIP: You can open the 'WIRELESS.EXE' program directly from the SD card but it's a good idea to create a folder on your WINDOWS PC / laptop for your camera trap and copy this program into it. It saves you having to download it again for future use.

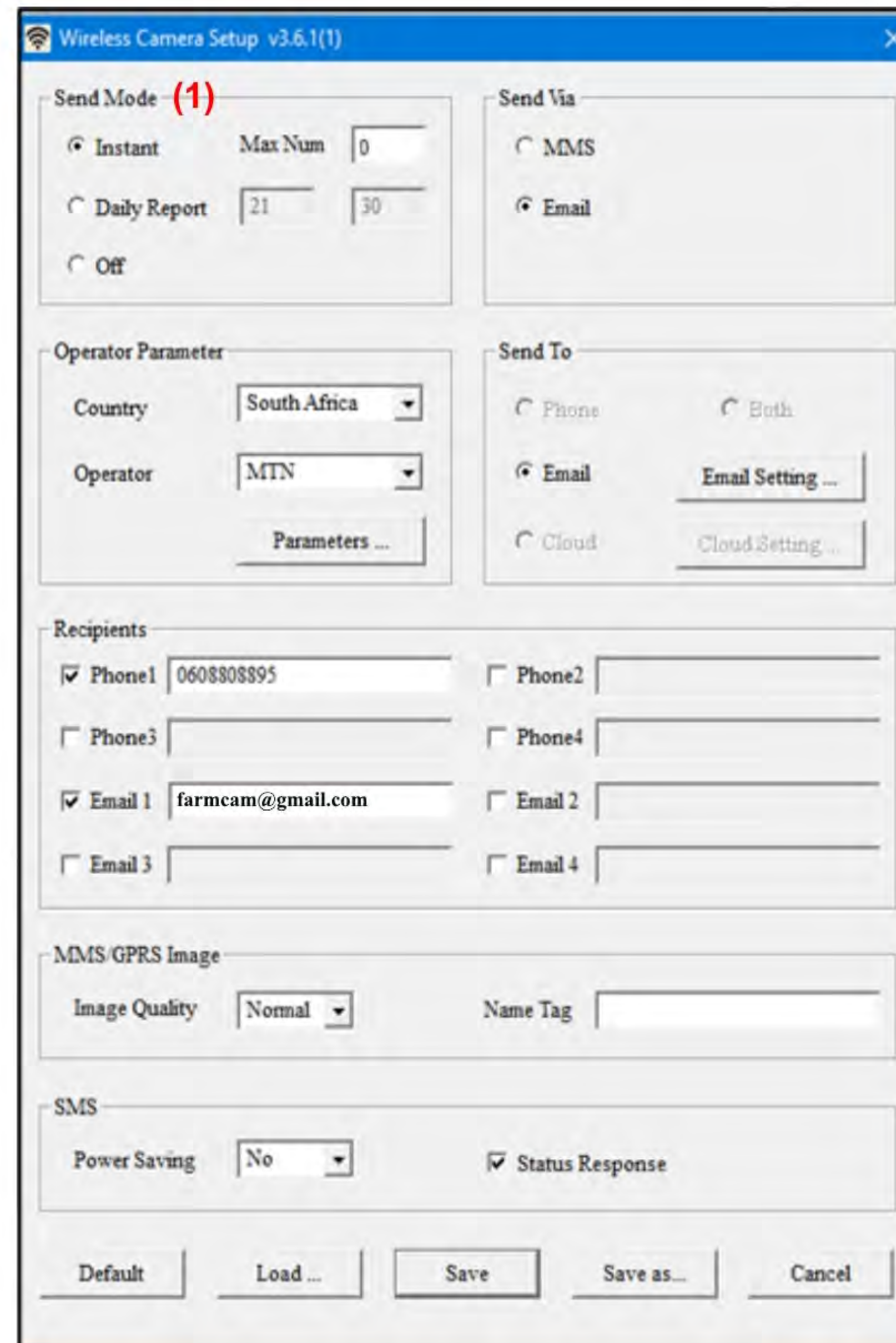
Camera Setup with WINDOWS PC / Laptop

Double click the 'WIRELESS.EXE' program to open (you may see a warning box - choose YES to continue)



(1) Send Mode

Instant: Select to transmit pics / clips immediately. Max Num = option to limit # of transmissions / day (0 = unlimited)
Daily Report: SMS notification at a user-set time listing the number of activations that occurred in the previous 24 hrs
Off: Disables the cameras transmission feature

A screenshot of the 'Wireless Camera Setup v3.6.1(1)' dialog box. The 'Send Mode' section is highlighted with a red (1). The 'Send Via' section has 'Email' selected. The 'Operator Parameter' section shows 'Country' as 'South Africa' and 'Operator' as 'MTN'. The 'Send To' section has 'Email' selected. The 'Recipients' section shows 'Phone1' as '0608808895' and 'Email1' as 'farmcam@gmail.com'. The 'MMS/GPRS Image' section shows 'Image Quality' as 'Normal'. The 'SMS' section shows 'Power Saving' as 'No' and 'Status Response' checked. At the bottom are buttons for 'Default', 'Load ...', 'Save', 'Save as...', and 'Cancel'.

Camera Setup...cont.

Manual input of Network Operator Parameters:

(2) Operator Parameter

Country: Select '**Custom**' from the dropdown list
Operator: Will automatically change to '**Custom**' too.

- Then click the **Parameters...** button to manually input your required network settings.

- Click 'OK' when done

NEW MTN settings below as well as other major SA cellular networks

VODACOM - GPRS
APN: internet
Account: guest
Password: (blank)

VODACOM - MMS
URL: http://mmsc.vodacom4me.co.za/
Gateway: 196.6.128.13
APN: lte.vodacom.za
Port: 8080
Account: (blank)
Password: (blank)

	or	or
MTN - GPRS APN: internet Account: guest Password: ()	internet (blank) (blank)	myMTN mtnwap mtnwap

MTN - MMS
URL: http://mms.mtn.co.za/mms/wapenc
Gateway: 196.11.240.241
APN: myMTN (or internet)
Port: 8080
Account: mtnmms
Password: mtnmms

RAIN - GPRS
APN: rain
Account: (blank)
Password: (blank)

Cell C - GPRS
APN: internet
Account: (blank)
Password: (blank)

Cell C - MMS
URL: http://mms.cmobil.co.za/
Gateway: 196.031.116.250
APN: mms
Port: 8080
Account: (blank)
Password: (blank)

Telkom (8ta) - GPRS
APN: internet
Account: (blank)
Password: (blank)

Telkom (8ta) - MMS
URL: http://mms.8ta.com:38090/was
Gateway: 41.151.254.162
APN: mms
Port: 8080
Account: (blank)
Password: (blank)

Wireless Camera Setup v3.6.1(2)

Send Mode: ☒ Instant Max Num: 0 ☐ Daily Report 0 0 ☐ Off

Send Via: ☐ MMS ☒ Email

Operator Parameter (2): Country: Custom Operator: Custom Parameters...

Send To: ☐ Phone ☐ Both ☒ Email Email Setting... ☐ Cloud Cloud Setting...

Recipients: ☒ Phone1 0608808895 ☐ Phone2 ☐ Phone3 ☐ Phone4 ☒ Email1 famcam@gmail.com ☐ Email2 ☐ Email3 ☐ Email4

MMS/GPRS Image: Image Quality: Normal Name Tag:

SMS: Power Saving: No ☒ Status Response

Default Load... Save Save as... Cancel

Operator Parameter

Internet: APN: internet Username: guest Password: 0

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

OK Cancel

(MTN shown above)

Camera Setup...cont.

(3) 'Send Via' & 'Send To'

Sending images via Email to Email addresses: [RECOMMENDED]

In the 'Send Via' box, tick 'Email'

In the 'Send To' box click the **Email Setting** button and the following window (below) will appear for you to input your SENDING smtp details...

Here you input the Sending email account details as the camera will use this account to send the relevant images.

A number of popular Email Provider settings are pre-loaded onto the Setup Tool (Gmail / yahoo etc.) Click on the drop-down menu to select one of them.

Since mid-2022, new security protocols introduced by Gmail / Yahoo etc. now prevent users from using the the respective smtp.gmail.com / smtp.mail.yahoo.com parameters.

IT IS RECOMMENDED TO USE / CREATE YOUR OWN DEDICATED (FREE) E-MAIL ACCOUNT TO USE FOR SENDING / RECEIVING (next page) OTHER THAN gmail / yahoo etc.

If you can't create your own dedicated smtp SENDING e-mail, you can use one of the following as a temporary measure;

Email Provider:	Select 'Other' from the drop down list
Account:	cameratraps@cameratraps.co.za
Password:	Camera12345
SMTP Server:	smtp.cameratraps.co.za
SMTP Port:	587
SSL:	NO (leave unchecked)

Email Provider:	Select 'Other' from the drop down list
Account:	cams@cameratraps.co.za
Password:	Camera12345
SMTP Server:	smtp.cameratraps.co.za
SMTP Port:	587
SSL:	NO (leave unchecked)

[...Please DO NOT use either of these 'Account' e-mail addresses for RECEIVING...]

(PLEASE NOTE: Delays in receiving of camera trigger emails may be experienced due to exceeding of @cameratraps.co.za server daily email sending limits)

For un-interrupted e-mails it is recommended for users to set up and use their own dedicated domain SMTP details

Camera Setup...cont.

(4) Recipients

Tick the boxes for cell # / e-mail recipients to receive camera triggers and fill in the relevant RECEIVING e-mail address/es. PLEASE NOTE:

- Only the cell # in 'Phone1' is able to control the camera remotely via SMS commands
- Cell numbers must be input with NO country codes / prefixes and NO spaces i.e. 0812345678

(5) MMS/GPRS Image

Minimized images are transmitted via MMS / Email / Premium modes (640 x 480 pixels) = 70 - 120kb. The original size images are saved to the SD card
Normal = 40-70kb / High = 70-150kb

(6) Name Tag

Input a label (max 15 characters) for the camera. This will be imprinted on the photo and email subject line so the user will know where (which camera) the images have come from.

(7) SMS / Power Saving

Enables camera to be constantly "ON" and awake to react instantly to remote SMS Commands sent by the user to control functions / change settings of the camera. Status Response: If checked, the camera will send the user a return SMS confirming the command - whether sending via MMS or Email (User must have a valid cell phone number input for Phone1 for this function to operate).

(8) "Save" Button

Press the 'Save' button and a binary file (MMSCFG.BIN) will be saved in the same location from where you opened up the Wireless.exe Application Setup Program (from on your computer as we recommended earlier).

- **Copy this binary file (MMSCFG.BIN) onto a formatted (standard size) SD card and insert it into the camera trap.**
- **Turn the camera to 'SETUP' and a series of 3 x quick 'beeps' directly followed by 2 x slower 'beeps' will be heard. The 2 slower 'beeps' indicate that the new parameters & settings have been successfully updated to the camera.**

"Default" button - By pressing this, the default Wireless Setup Tool settings will be loaded.

"Save as.." button - For ease of use, select this option and locate the SD card to save the binary file (MMSCFG.BIN) directly to the SD memory card.

"Load" button - For ease of use, select this option if you want to amend any parameters, phone or e-mail settings. It will ask you to navigate and select which binary file (MMSCFG.BIN) to be loaded into the Wireless Setup Tool.

Important Notes...

Sending via E-Mail / App or MMS - Which is better? (SOUTH AFRICA)

Since late 2018, sending via MMS has become very unreliable and plagued with network issues. This is purely with network MMS broadcasting as our local cell networks are not communicating with each other properly which has resulted in failure of transmitted MMS images, serious delays with MMS images coming through – or not even at all.

After much deliberation with the networks regarding MMS broadcasting it seems they are in the process of upgrading their mast infrastructure which is playing havoc with MMS sending parameter settings around the country.

Our recommendation would be to rather send / transmit via E-mail / App (depending on the model) as opposed to via MMS for the following reasons;

- a) Sending via Email / App is always working and reliable.
- b) It's far cheaper to send via E-mail / App (uses only Data) as opposed to MMS (uses airtime).
- c) Sending via Email / App also allows for the transmission of short 5sec or 10sec video clips (with sound). This can't be done when sending via MMS due to network file size limit sending restrictions.