Using Wildlife Acoustics SM4Bat
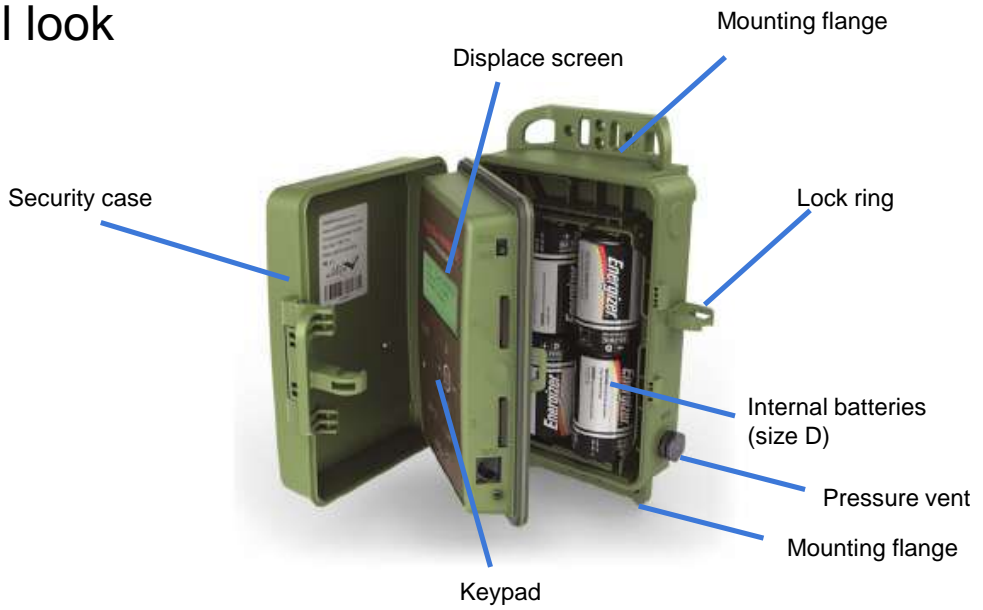
Joe Chun-Chia Huang

SM4 BAT
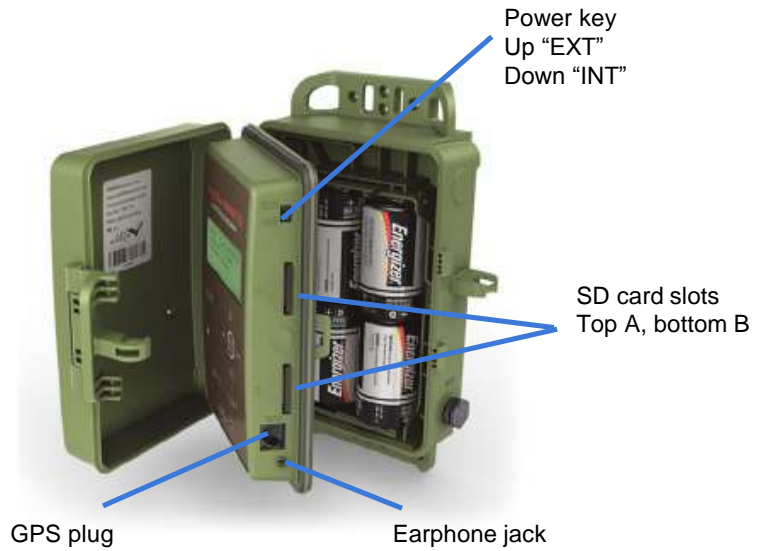
Two models: SM4BAT FS (full spectrum) and SM4BAT ZC (zero-crossing)

Overall look

Mounting flange

Displace screen

Security case

Lock ring

Internal batteries (size D)

Pressure vent

Mounting flange

Keypad

Overall look

Power key
Up "EXT"
Down "INT"

SD card slots
Top A, bottom B

GPS plug

Earphone jack

External mic and power port

External power cable

Microphone port

Earphone jack

Type of external mic

SMM U1   SMM U1

The control panel

Check status ————————————

The control panel

Main manu

The control panel

Schedule start

5/4/2018

The control panel
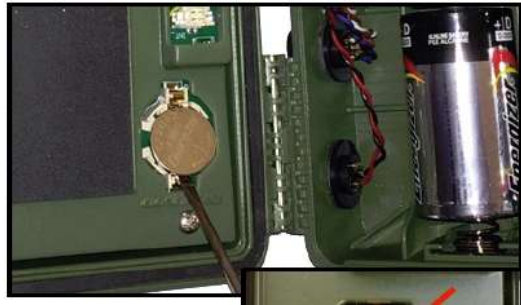

Schedule Stop

The control panel

Flash when schedule start

Indicator light

6

Clock battery

1. CR2032, last for 3 years
2. Remove the battery
3. Install the battery

Use SM4 BAT FS

1. Set power key to "INT"
2. Connect external power cable to the battery (6v 12 ah)
3. Connect the power cable to the recorder
4. Set power key to "EXT"
5. What is the firmware version

Use SM4 BAT FS

1. Set power key to "INT"
2. Connect external power cable to the battery (6v 12 ah)
3. Connect the power cable to the recorder
4. Set power key to "EXT"

Let me know if you see nothing in the screen

Check firmware version

1. Set power key to "INT"
2. Set power key to "EXT"

What is the firmware version?

Update firmware

You can check firmware and download the latest version here
(https://www.wildlifeacoustics.com/download/firmware-updates)

However, please do NOT change the firmware version until we contact you!

Update firmware

1. Insert memory cards into slots
2. Main manu
3. Utilities
4. Update firmware

Note: insert of the card with latest firmware
into the slot A

5. Turn off the recorder

6. Turn on the recorder

Check status

1. Press the check status
2. Check the information on the schreen

What is the date and time?

How many is the battery voltage?

How much is the capacity of the two SD cards?

Set up date and time

Please setup the date and time following the Greenwich Mean Time of your country/area (https://greenwichmeantime.com/time-zone/asia/) to second(note, the time of Hobo data logger should be the same)

1. Main manu
2. Settings
3. Date and Time

```
YYYY-MMM-DD    HH:MM:SS
2017-Oct-22 20:17:45
```

Format memory cards

1. Main manu
2. Utilities
3. Format all cards

Settings

Main menu > Settings

1. Indicator
2. Schedule
3. Audio settings
4. Advanced settings

See SM4 Configurator Hangout for more details of settings

Recording sounds

Instant recording

Quick start recording

Schedule recordings

Instant recording

1. Make sure no recording session on or standby
2. If any, press "Schedule Stop"
3. Press both "up" and "down" keys at the same time

Quick start recording

1. Main manu
2. Quick Start

Name	Definition of schedule
Record Sunset→Rise	Based on your location, date and sunrise/sunset settings, records continuously from sunset until sunrise.
Record Always	Records continuously 24 hours a day.

3. Schedule Start: "prepare recording until....

4. Schedule Stop

Note: sunset/rise recording require location setup

Setup location

1. Main manu
2. Settings
3. Location

Cat Tien

11.4232° N, 107.4287° E

UTC +7 (=GMT +7)

Schedule recording

Schedule recordings

1. Manual setup on SM4
2. Import preset schedule(by SM4 configurator) (recommend)

Import Schedule

1. Main manu
2. Schedule
3. Import schedule +set from the memory card in the slot A
4. Schedule Start: "prepare recording until....

5. Schedule Stop