

# RunCam Mini FPV DVR User Manual

## LED Status

**Red LED** Constantly on — Power status light

**Blue LED** Constantly on — In standby mode

**Blue LED** Blink slowly (1 time per second) — In recording mode

**Blue LED** Blink quickly (2 times per second) — Micro SD is full or failed to be recognized

## Start Recording

\* Recording with flight controller Remote Control. It is advised to make the setup by **Speedy Bee APP**. (Micro SD Card should be inserted in first).

\* In standby mode, short press the button to start recording.

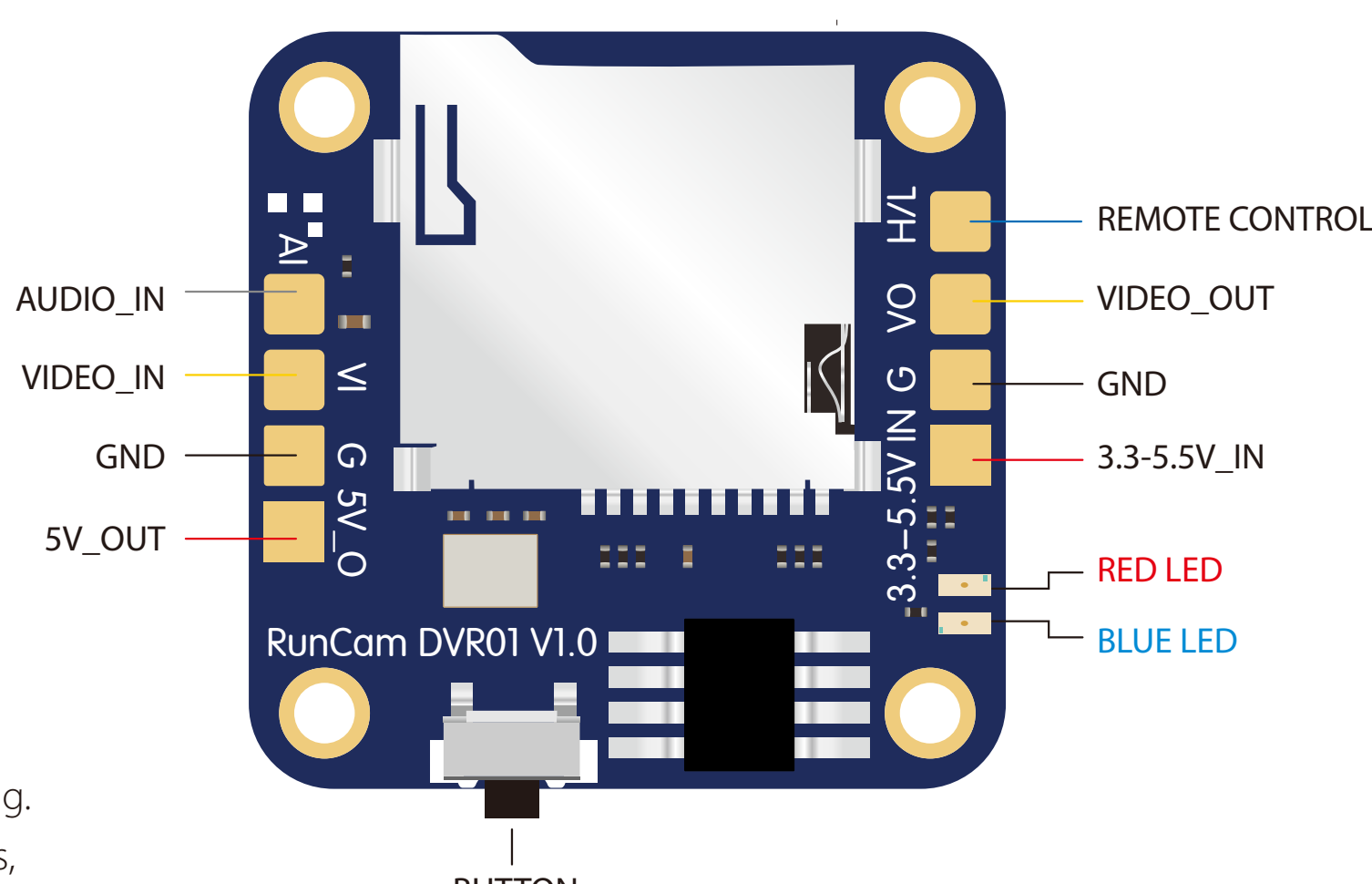
\* In standby mode, long press the button, about 5 seconds, till the **blue LED** is off, the SD card will be formatted and recording will start.

## Stop Recording

\* In recording mode, short press the button, file will be saved and DVR will turn to standby mode.

## Format Micro SD Card

\* In standby mode, long press the button for 5 seconds, the SD card will be formatted and recording will start.



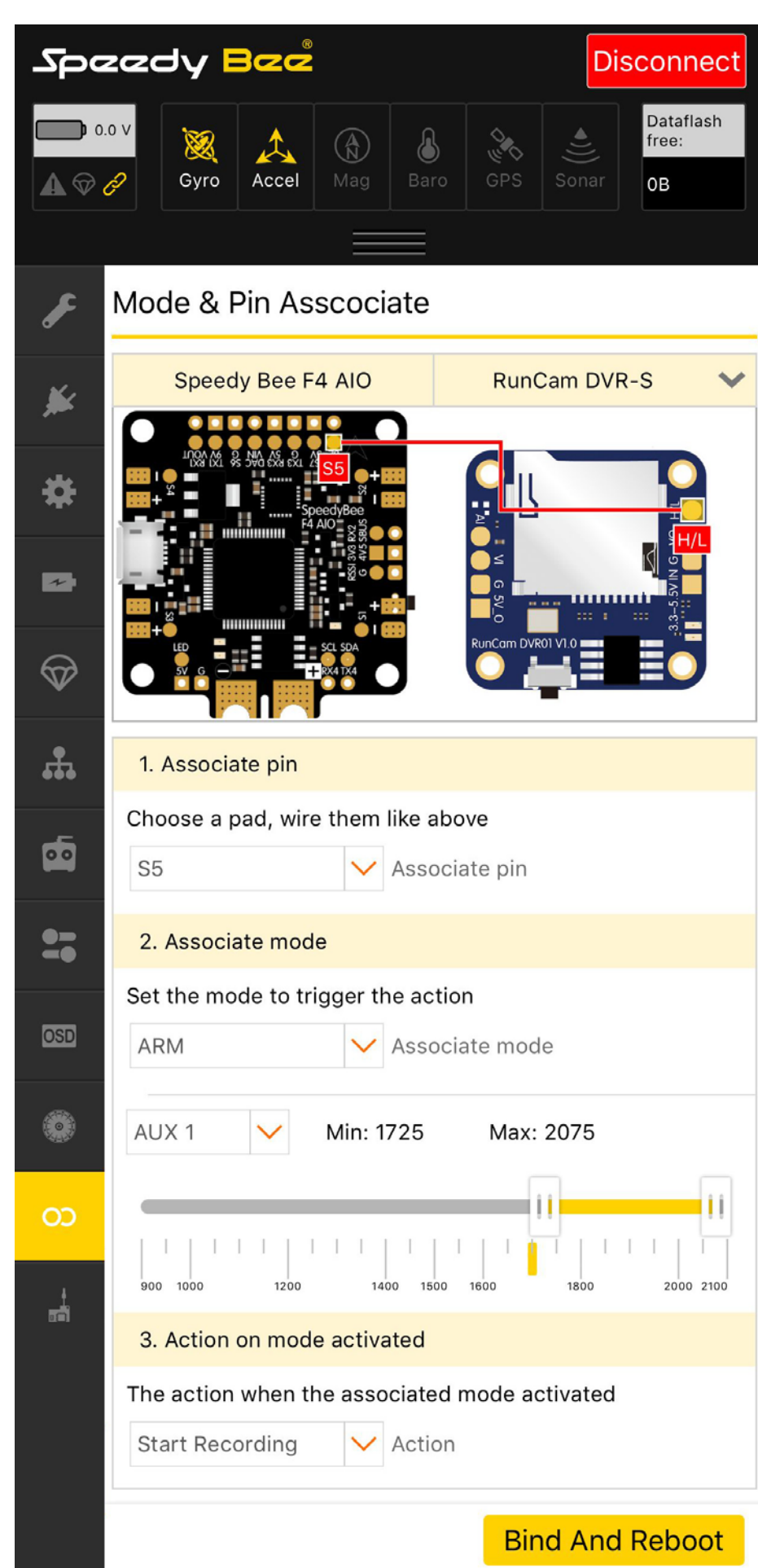
## Warning

\* Recording files will be saved automatically by segment per each **5 minutes** and recording stops when Micro SD card is full.

\* It takes about **2G** capacity for **1 hour** recording. Thus an **8G Micro SD card** can record about **3.5 hours**.

\* DVR won't save the file automatically after power off. So please stop recording before power off. Otherwise, you will miss your last recording.

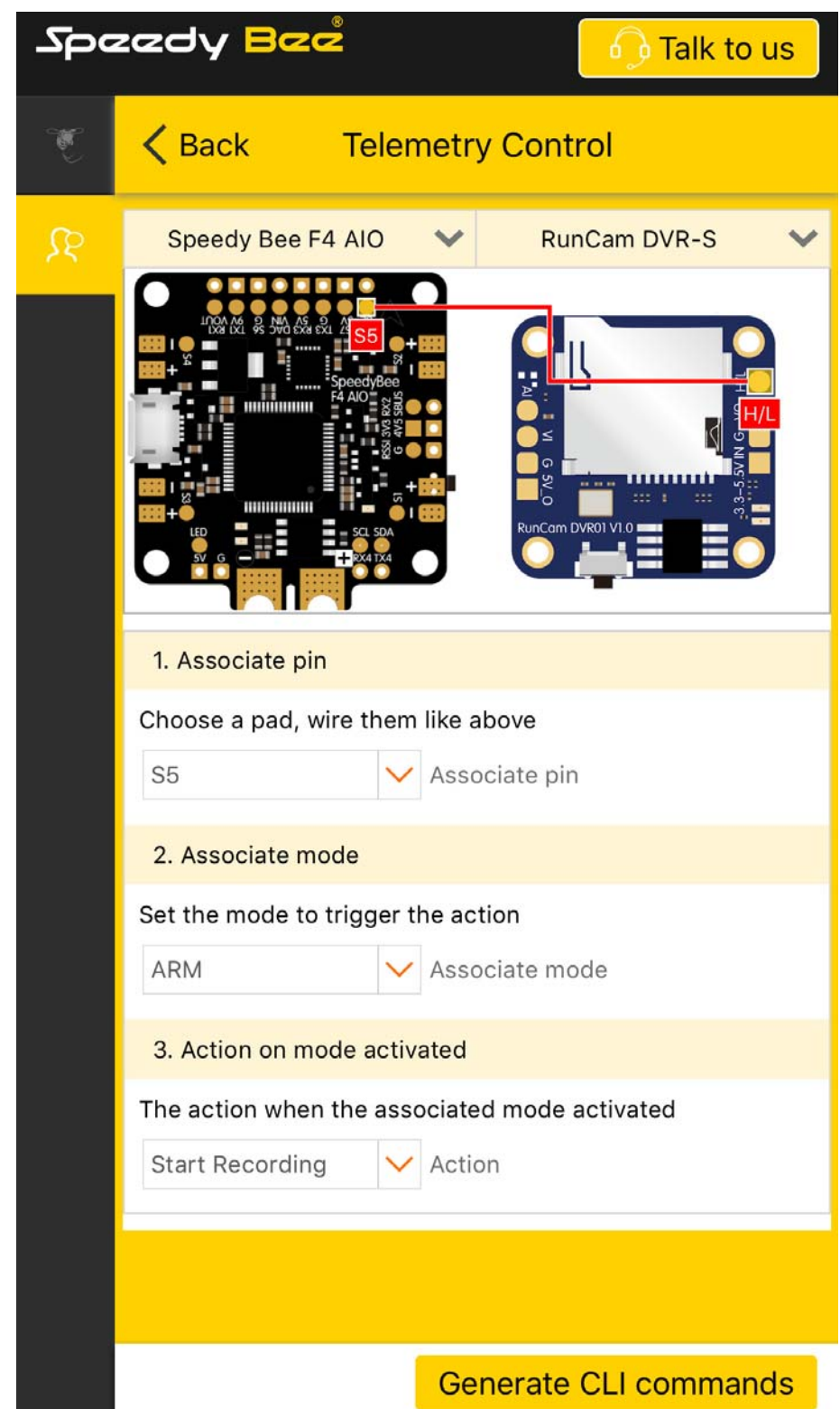
## 1. Automatic association (iOS ≥ 1.0.8, Android ≥ 1.0.7)



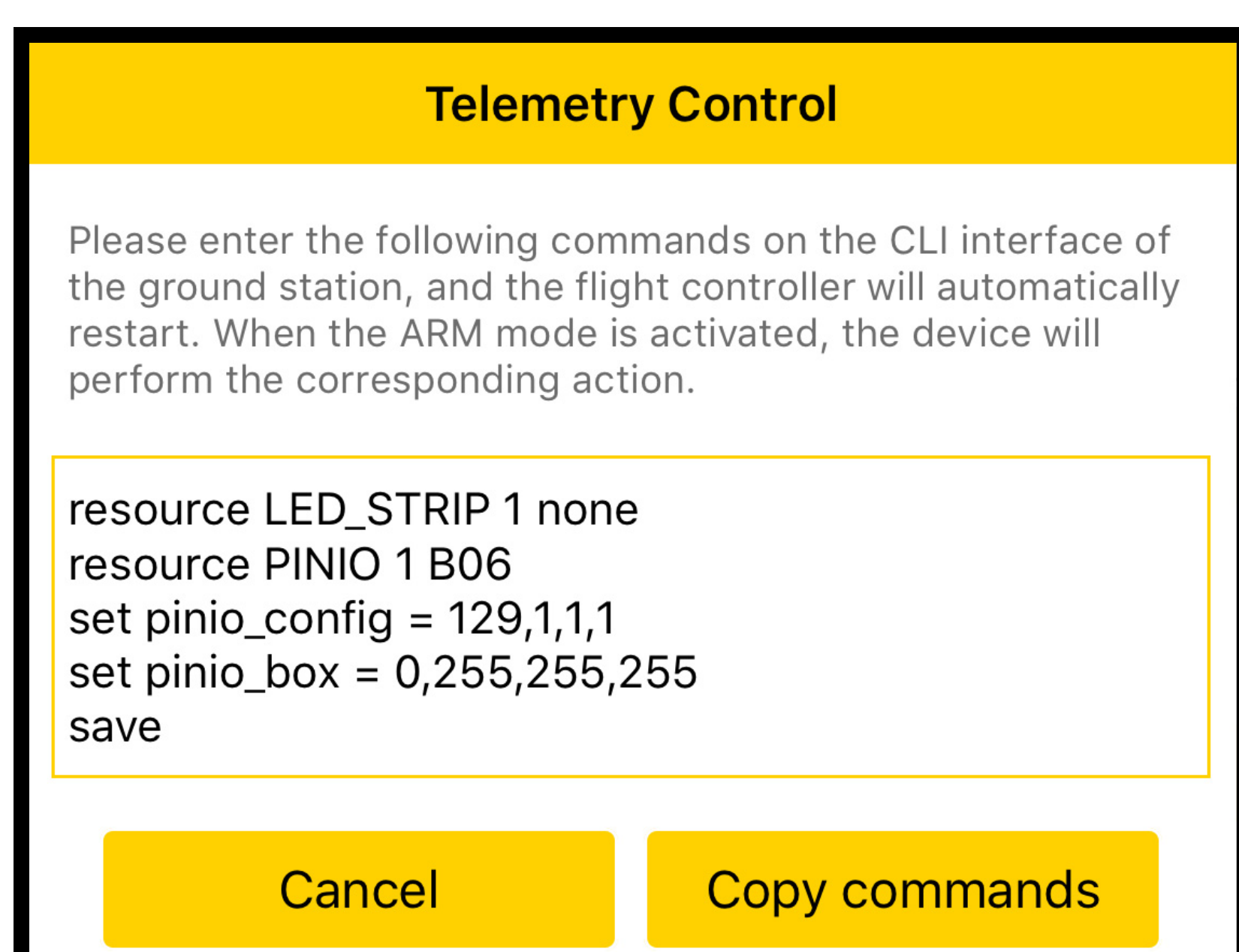
- 1 Select your **Flight Controller** and **RunCam DVR-S**.
- 2 Select the **Associate pin**, and then connect the PIN you selected to the H/L pad of the RunCam DVR-S
- 3 Select **Associate mode**, we can choose any mode. For example, if you want to start recording after the drone is arming, stop recording after disarming, you can select ARM mode.
- 4 **Associate action**, when the associated mode is activated, RunCam DVR-S will perform this action. In general, this setting does not need to be changed.
- 5 Click **Bind and Reboot**

## 2. Manual association

Open the App (iOS ≥ 1.0.8, Android ≥ 1.0.7) => select the Help Center => click RunCam DVR-S => select telemetry control



- 1 Select your **Flight Controller** and **RunCam DVR-S**
- 2 Select the **Associate pin**, and then connect the PIN you selected to the H/L pad of the RunCam DVR-S.
- 3 Select **Associate mode**, we can choose any mode. For example, if you want to start recording after the drone is arming, stop recording after disarming, you can select ARM mode.
- 4 **Associate action**, when the associated mode is activated, RunCam DVR-S will perform this action. In general, this setting does not need to be changed.
- 5 Click **Generate CLI Commands**



- 6 Copy the commands and enter the commands on the CLI interface of ground station.

## Parameters

Model	RunCam Mini FPV DVR
Power in	DC 3.3-5.5V
Work Current	250mA Max
Power out	DC 5V @ Max 250mA
Video in	CVBS@1Vp-p 75Ω
Video out	CVBS@1Vp-p 75Ω
Encoder	MJPEG@AVI
Resolution	VGA (640x480) @ 30fps (NTSC) / 25 fps (PAL)
Audio in	MIC
Micro SD Card	Max 32G
Dimension	25 x 25mm @ 20 x 20 M2 holes
Net Weight	3.5g