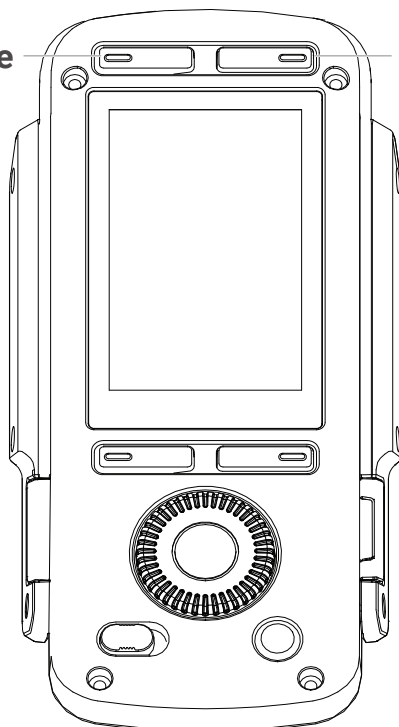# Step 1
Settings > Profile

Profile   NECESSARY

Use the **Default** or **User 1** Profile to configure the Inertia Wheels Settings

For all-day remote use, we suggest configuring BOTH Default and User 1 with identical Remote, Mounting Mode, and Follow Mode settings. This is due to a rare bug in the Ronin 2 that may cause it to switch profiles spontaneously.

Mounting Mode ──────── **Follow Mode**
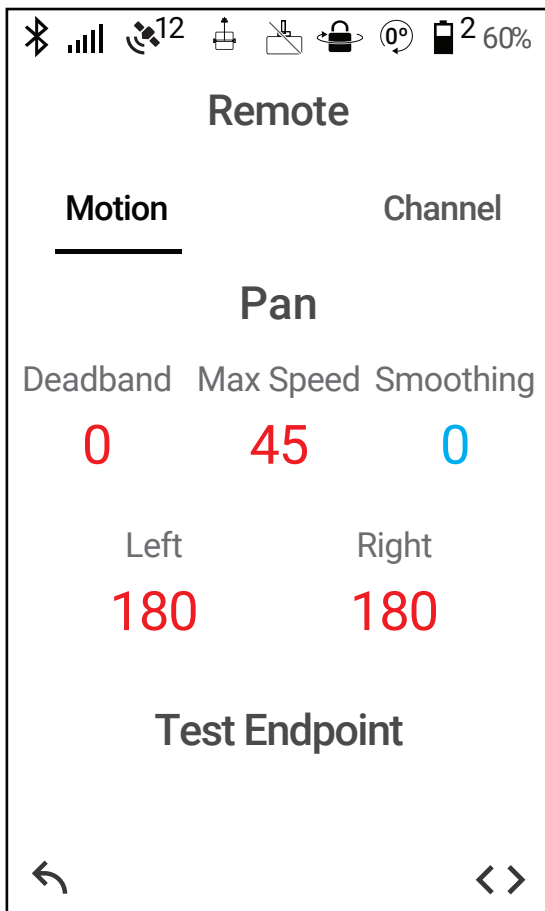

Mounting Mode   NECESSARY

DO NOT USE TRIPOD MODE. There is a
known bug where the horizon will start to
drift in Tripod Mode

All other modes are fine. Refer to the Ronin
Manual for the best advice on selecting the
best mode for the application.

Follow Mode   Free NECESSARY

Use the Free mode. FPV (Follow), and
Recenter will not work.

Remote

Motion   Channel

Pan

Deadband	Max Speed	Smoothing
0	45	0

Left	Right
180	180

Test Endpoint

Remote > Motion > Pan

Deadband   0   NECESSARY
With wheels, never use deadband!

Max Speed   45   NECESSARY
At 45, gear ratios will be standardized.
Changing this can result in undesireable
behavior.

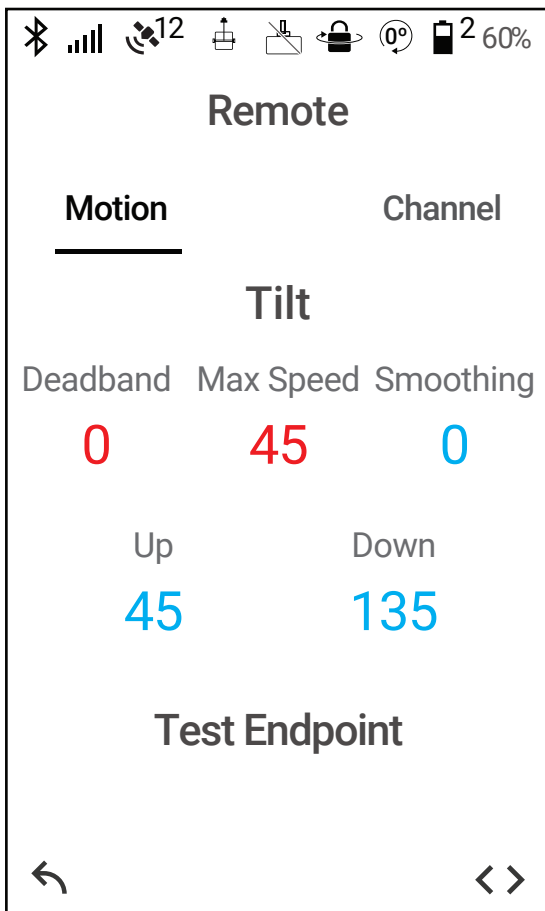**Smoothing   0   SUGGESTED**
Smoothing removes repeatability, but adds
smoothing. We suggest avoiding it unless
the shot calls for it.

Left   180   NECESSARY
This is a pan limiter. According to DJI a
setting of 180 removes all pan limits.

Right   180   NECESSARY
Must be 180.

Remote

Motion   Channel

Tilt

Deadband	Max Speed	Smoothing
0	45	0

Up	Down
45	135

Test Endpoint

↩   ‹ ›

Remote > Motion > Tilt

Deadband   **0**   **NECESSARY**

With wheels, never use deadband!

Max Speed   **45**   **NECESSARY**

At 45, gear ratios will be standardized.
Changing this can result in undesireable
behavior.

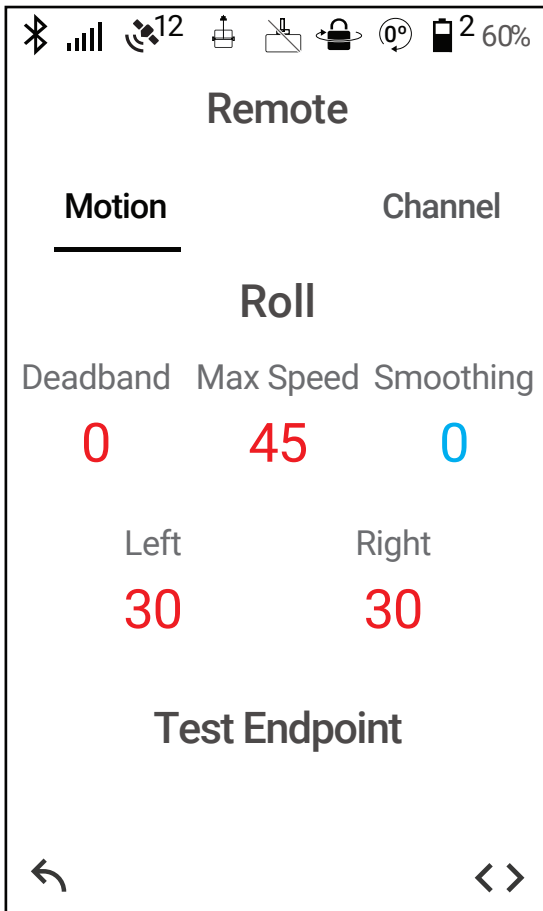**Smoothing**   **0**   **SUGGESTED**

Smoothing removes repeatability, but adds
smoothing. We suggest avoiding it unless
the shot calls for it.

Up   **45**   **SUGGESTED**

This is a tilt limiter. Adjust as you need.

Down   **135**   **SUGGESTED**

This is a tilt limiter. Adjust as you need.

Remote

Motion   Channel
_____

Roll

Deadband   Max Speed   Smoothing
0   45   0

Left   Right
30   30

Test Endpoint

↰   ‹ ›

Remote > Motion > Roll

Deadband   **0**   **NECESSARY**
With wheels, never use deadband!

Max Speed   **45**   **NECESSARY**
At 45, gear ratios will be standardized.
Changing this can result in undesireable
behavior.

Smoothing   **0**   **SUGGESTED**
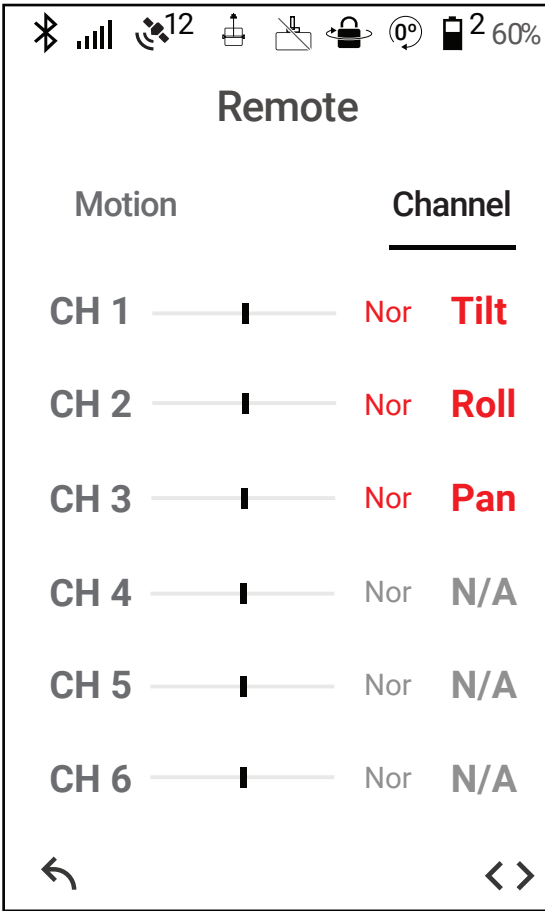Smoothing removes repeatability, but adds
smoothing. We suggest avoiding it unless
the shot calls for it.

Left   **30**   **NECESSARY**
Should be 30.

Right   **30**   **NECESSARY**
Should be 30.

Remote

Motion			Channel
CH 1	——■——	Nor	**Tilt**
CH 2	——■——	Nor	**Roll**
CH 3	——■——	Nor	**Pan**
CH 4	——■——	Nor	**N/A**
CH 5	——■——	Nor	**N/A**
CH 6	——■——	Nor	**N/A**

↰   ‹ ›

Remote > Channel

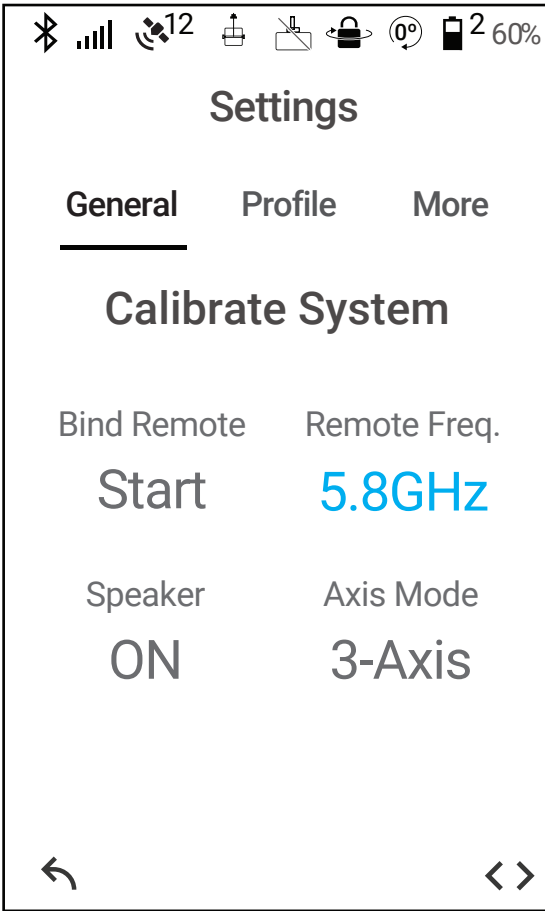**CH 1**   **Nor, Tilt** **NECESSARY**

This maps the Alpha Link properly to the Ronin 2.

CH 2   **Nor, Pan** **NECESSARY**

This maps the Alpha Link properly to the Ronin 2.

CH 3   **Nor, Roll** **NECESSARY**

This maps the Alpha Link properly to the Ronin 2. While roll is not used currently, mapping this somewhere else can create problems.

Settings

General   Profile   More

Calibrate System

Bind Remote   Remote Freq.
Start   5.8GHz

Speaker   Axis Mode
ON   3-Axis

↶   ‹ ›

Settings > General

Remote Freq. 5.8GHz   SUGGESTED

While 2.4GHz here will not interfere with the Inertia Wheel's uplink. The IW's downlink is 2.4GHz. Selecting 5.8GHz here will reduce interference.
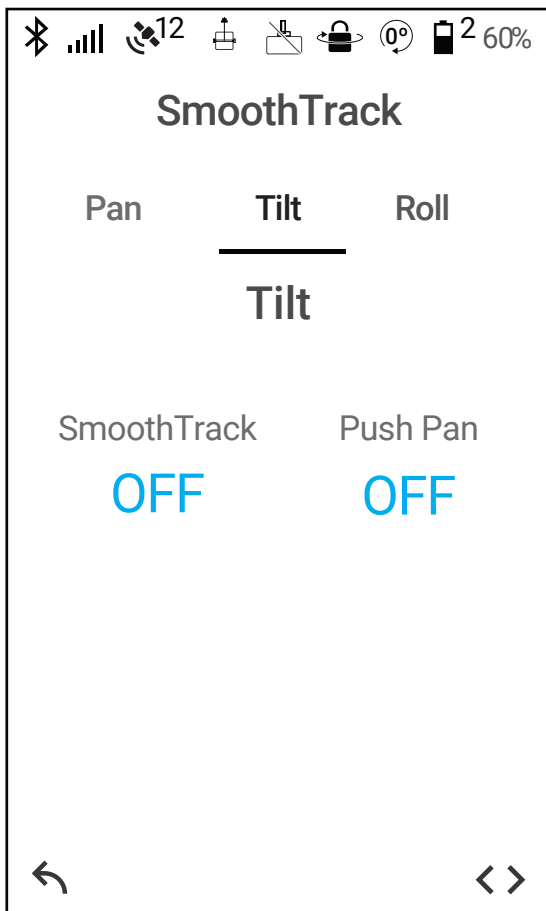
SmoothTrack

Pan	Tilt	Roll

Pan

SmoothTrack	Push Pan
OFF	OFF
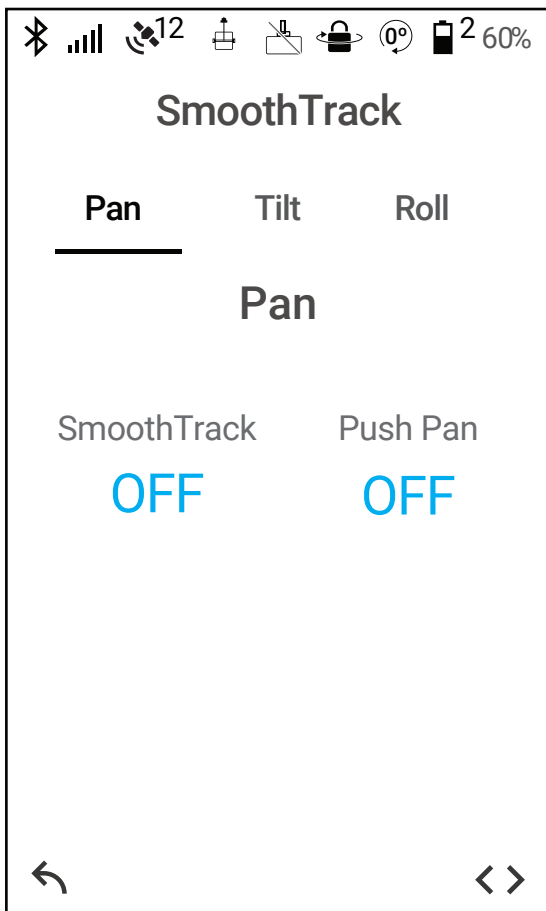
SmoothTrack > Pan

SmoothTrack   **Off**   **SUGGESTED**

We recomend not using SmoothTrack for most cases. However, sometimes this may be desired.

Push Pan   **Off**   **SUGGESTED**

You can use push pan if you would like to be able to easily reorient the gimbal by pushing with your hand.

SmoothTrack

Pan	**Tilt**	Roll

Tilt

SmoothTrack	Push Pan
OFF	OFF

↩   ‹ ›

SmoothTrack > Tilt

SmoothTrack   **Off**   SUGGESTED

We recomend not using SmoothTrack for most cases. However, sometimes this may be desired.

Push Pan   **Off**   SUGGESTED

You can use push pan if you would like to be able to easily reorient the gimbal by pushing with your hand.

Motor

Basic   More
―――――――

Strength

Pan	Tilt	Roll
25+	**25+**	**25+**

	Pan	Tilt	Roll
Power	0	-6	-2
Atti	1.9	0.6	0.1
Atti Error	0.02	0.66	0.15

↩   ‹ ›

Motor > Basic > Strength

Pan   25   SUGGESTED

This will, in part, adjust how snappy and responsive the gimbal is. Generally, a higher number is better. We suggest starting around 25. However, defer to the DJI manual for more detailed information about this parameter.

Tilt   25   SUGGESTED

We suggest mirroring pan and tilt strength values. Refer to the pan axis to set this parameter properly.