RC Talk Forum

Battery telemetry with an ar631 rx in a nitro plane

NitroR/C replied to a thread you are watching at RC Talk Forum.

Can I configure my DX6 gen 2 Tx to monitor the on-board voltage without buying anything else?

Yes, you can configure your DX6 gen 2 Tx to monitor the on-board voltage without buying anything else. To do this, follow these steps:

Turn on your Tx and Rx.

On your Tx, go to the "Model" menu.

Select the model you are using.

Go to the "Sensors" tab.

Select "Battery".

Set the battery type to "LiPo".

Set the number of cells to "2S".

Set the minimum voltage to 3.0 V.

Set the maximum voltage to 4.2 V.

Save the settings.

Once the Tx is configured, it will receive the on-board voltage signal from the Rx. You can view the on-board voltage on the Tx display.

Detailed steps:

Turn on your Tx and Rx.

To turn on the Tx, press the power button. To turn on the Rx, connect it to the battery.

On your Tx, go to the "Model" menu.

To access the "Model" menu, press the "Menu" button and select "Model".

Select the model you are using.

To select the model you are using, use the "Up Arrow" and "Down Arrow" buttons to scroll through the list of models.

Go to the "Sensors" tab.

To access the "Sensors" tab, press the "Menu" button and select "Sensors".

Select "Battery".

To select "Battery", use the "Up Arrow" and "Down Arrow" buttons.

Set the battery type to "LiPo".

To set the battery type to "LiPo", use the "Up Arrow" and "Down Arrow" buttons to select "LiPo".

Set the number of cells to "2S".

To set the number of cells to "2S", use the "Up Arrow" and "Down Arrow" buttons to select "2S".

Set the minimum voltage to 3.0 V.

To set the minimum voltage to 3.0 V, use the "Up Arrow" and "Down Arrow" buttons to set the value to 3.0.

Set the maximum voltage to 4.2 V.

To set the maximum voltage to 4.2 V, use the "Up Arrow" and "Down Arrow" buttons to set the value to 4.2.

Save the settings.

To save the settings, press the "Menu" button and select "Save".

Once the Tx is configured, it will receive the on-board voltage signal from the Rx. You can view the on-board voltage on the Tx display.

To view the on-board voltage, press the "Battery" button. The value of the on-board voltage will be displayed on the display.

If you want to monitor the on-board voltage during flight, you can set a low voltage alarm. To do this, follow these steps:

On your Tx, go to the "Model" menu.

Select the model you are using.

Go to the "Alarms" tab.

Select "Battery".

Set the alarm voltage to a value lower than the minimum voltage.

Save the settings.

When the on-board voltage drops below the alarm value, the Tx will emit an audible alarm.

I hope this helps! Let me know if you have any other questions.