



APP

**ToolBox**

VERSION

**1.00 Beta**

DATE

**2024-08-15**

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## Beta Information

### Radio firmware

EdgeTX 2.10.x

It may work on 2.9.x but not extensively tested yet

### RC Link protocols (telemetry)

ELRS v 2.0+ or v 3.0+ **full support**

CRSF v 6.19+ **full support**

Ghost v 1.0+ **full support**

FrSky D16, ACCESS **partial support**

Spektrum DSMX **partial support**

FlySky iBus **partial support**

### FC firmware

BetaFlight 4.3+ **full support**

iNav 7.0+ **partial support**

### MSP

using BetaFlight

- MSP v1 **full support**

- MSP v2 **partial support**

using iNav

- MSP v1 **partial support**

### VTX

- FC BetaFlight - VTX connected to FC

  - using MSP protocol

  - via SmartAudio 2.0 or 2.1 **full support**

  - via Tramp **full support**

- FC Betaflight - TBS VTX connected to

  - RX via CRSF protocol **full support**

- FC iNav **not supported**

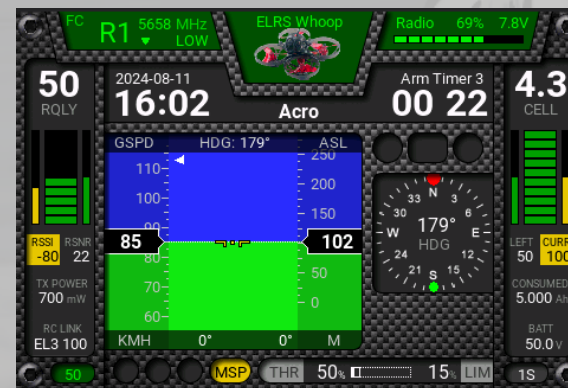
### GPS

Tested GPSES using BetaFlight via

UBLOX protocol



Carbon Plate Theme UI on 480x272 LCD radios  
RM TX16S, Jumper T16, FrSky X10 etc



Carbon Plate Theme UI on 480x320 LCD  
radio Jumper T15



Silver Metal Theme UI on  
320x480 LCD radios FlySky NV14  
& FlySky EL18



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## Known issues and limitations

### **CSFR protocol (TBS & ELRS)**

- MSP v2 in BetaFlight has some bugs, fix in progress

### **Ghost protocol (Immersion RC, Orqa)**

- FlightMode sensor not available (only switch configuration)
- No Pitch, Roll, Yaw sensors not available (Artificial horizon is not working)

### **D8 protocol (FrSky)**

- No Pitch, Roll, Yaw sensors not available (Artificial horizon is not working)
- No FlightMode sensor (only switch configuration)

### **D16, ACCESS protocol (FrSky)**

- Pitch, Roll, Yaw sensor not implemented yet (Artificial horizon is not working)
- GPS sensors implemented partially

### **DSMX protocol (Spektrum)**

- Very preliminary support only some indicators may work

### **iBus protocol (FlySky)**

- Very preliminary support only some indicators may work

### **Jumper T15**

Reading Aileron,Elevator,Throttle,Rudder values does not work, fixed in EdgeTX 2.10.3

### **FlySky NV14 & EL18**

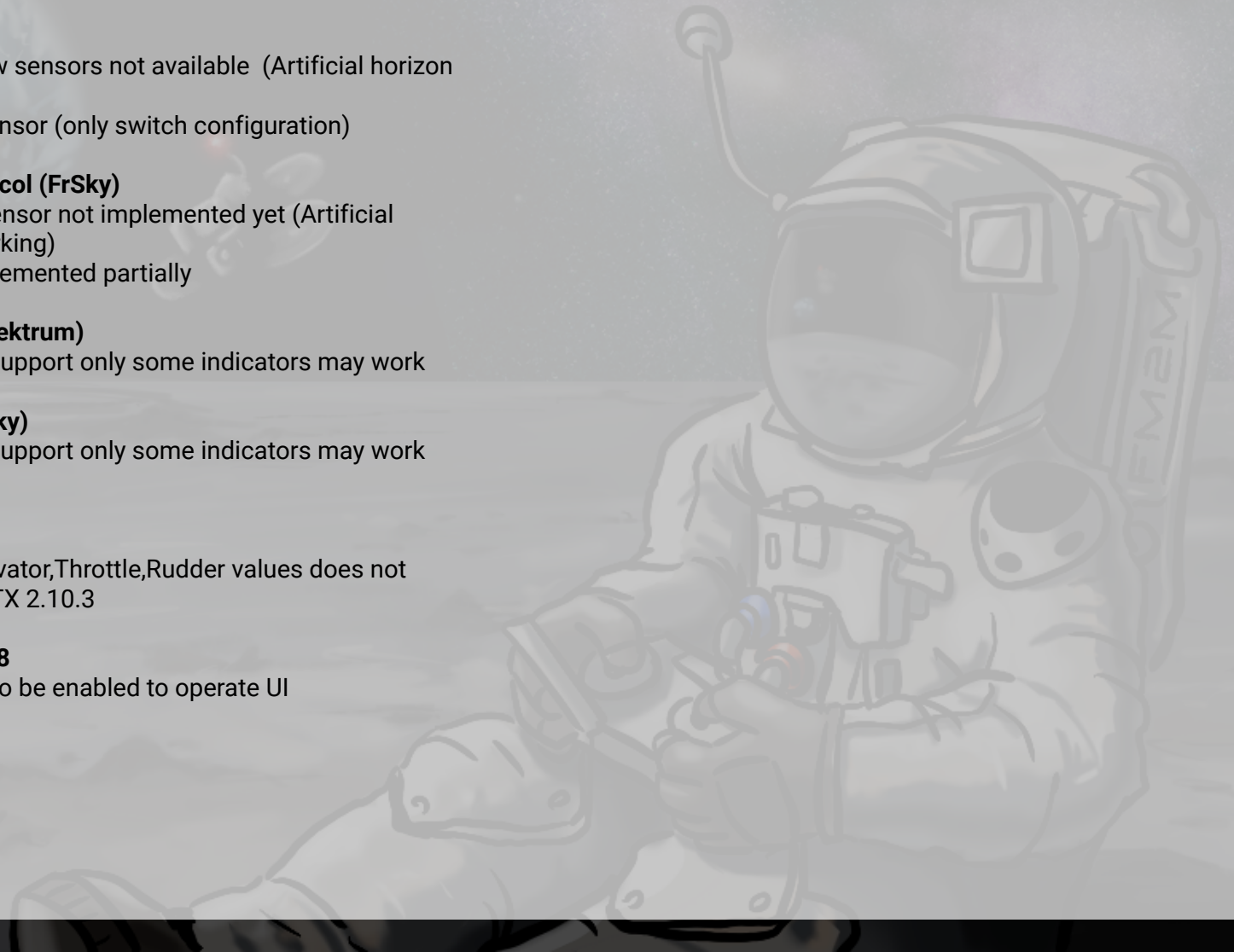
Hats as keys need to be enabled to operate UI

### **Widget mode**

No widget mode yet. Beta has to be run in App mode from TOOLS menu in EdgeTX

### **C-boundary error**

Occasionally one time C-boundary error may appear it is connected with time slot allowance for LUA scripts.





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## Installation

Unpack installation zip into your radio SD card.

FM2M ToolBox 1.00 Beta files will go into/FM2M\_BETA folder. Therefore you will be able to use both 0.91 and 1.00 Beta.

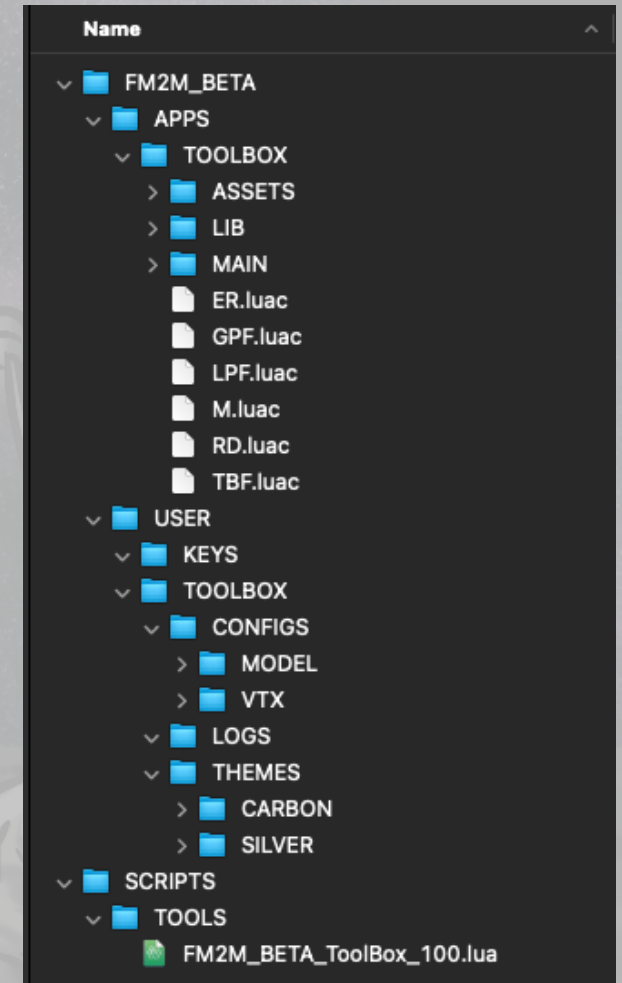
/FM2M\_BETA/APPS/TOOLBOX contains application code

/FM2M\_BETA/USER/TOOLBOX contains user data (configs, logs and installed themes)

/FM2M\_BETA/USER/KEYS contains application PRO enablers

Additionally there is FM2M Toolbox loader located in /SCRIPTS/TOOLS folder named `FM2M_BETA_ToolBox_100.lua`

Screenshot shows folder structure in SD card root after installation.



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## PRO activation

To activate PRO features in FM2M ToolBox 1.00 Beta

1. Copy `vc.fm2m` file from /FM2M/VC folder
2. Paste it into /FM2M\_BETA/USER/KEYS folder
3. Rename it to `toolbox.fm2m`

