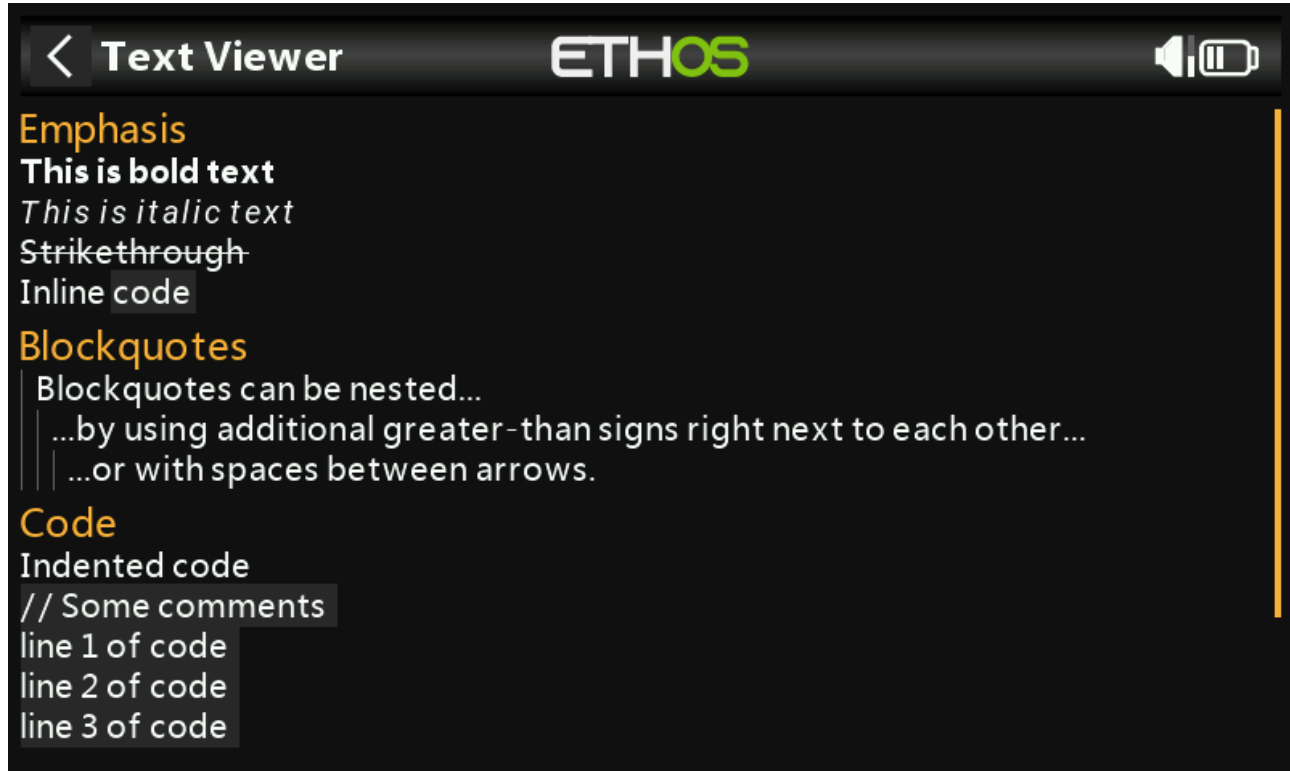# Ethos 1.5 new features

Text Viewer

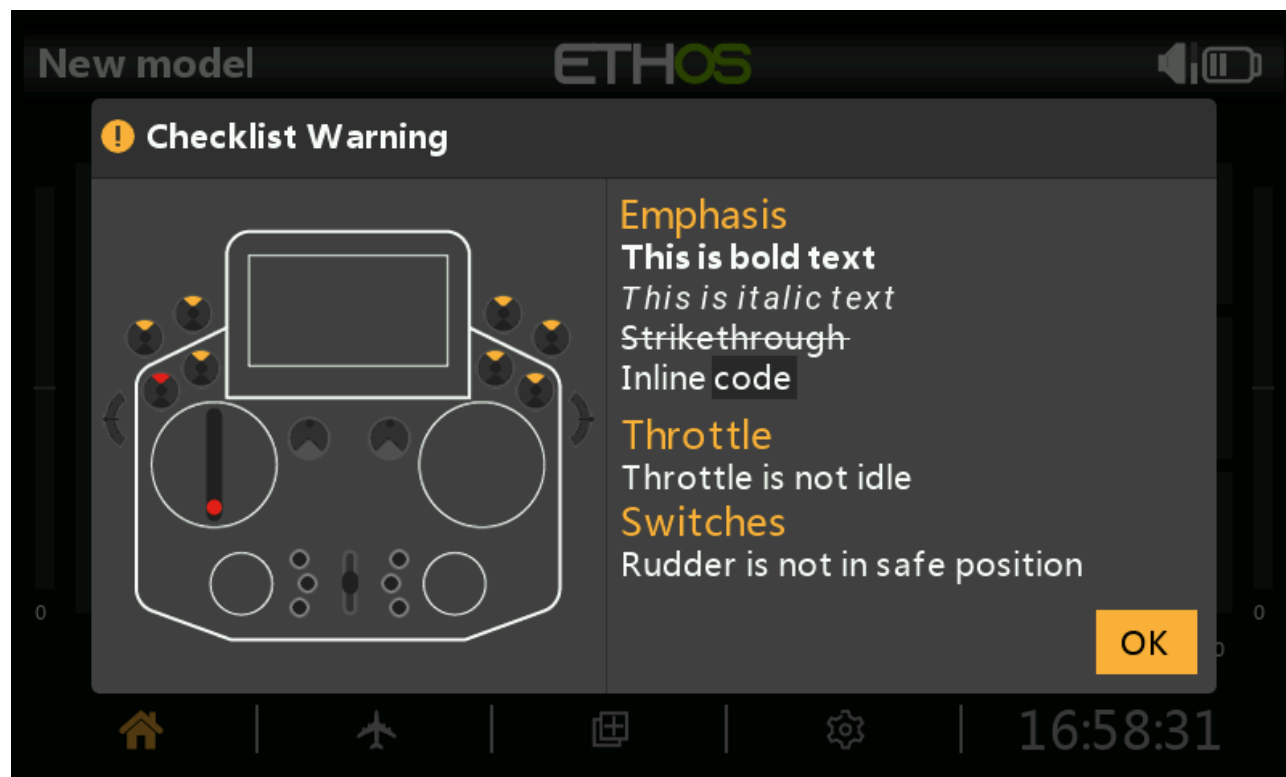Viewer for .txt (text) files, but also for .md (markdown) files

Text widget

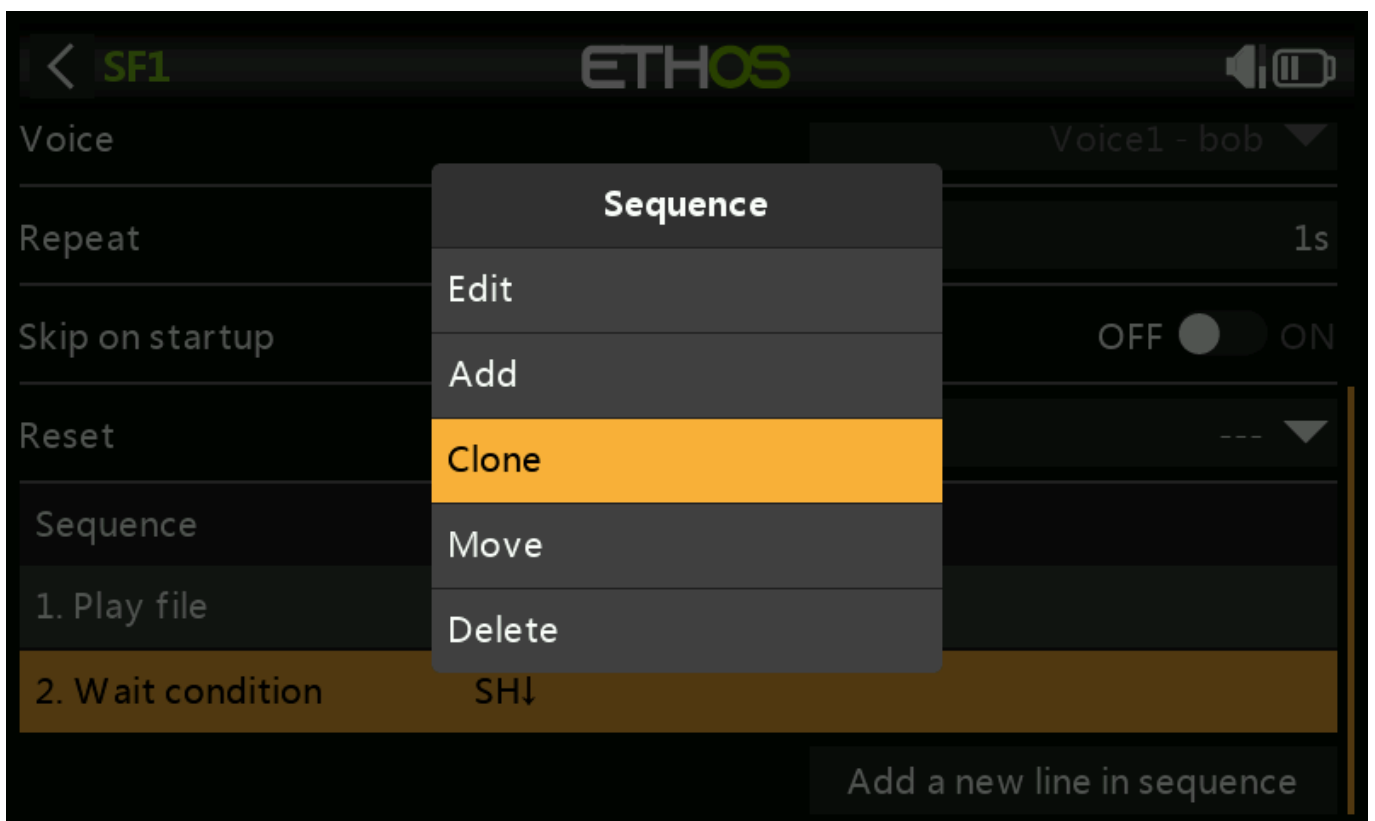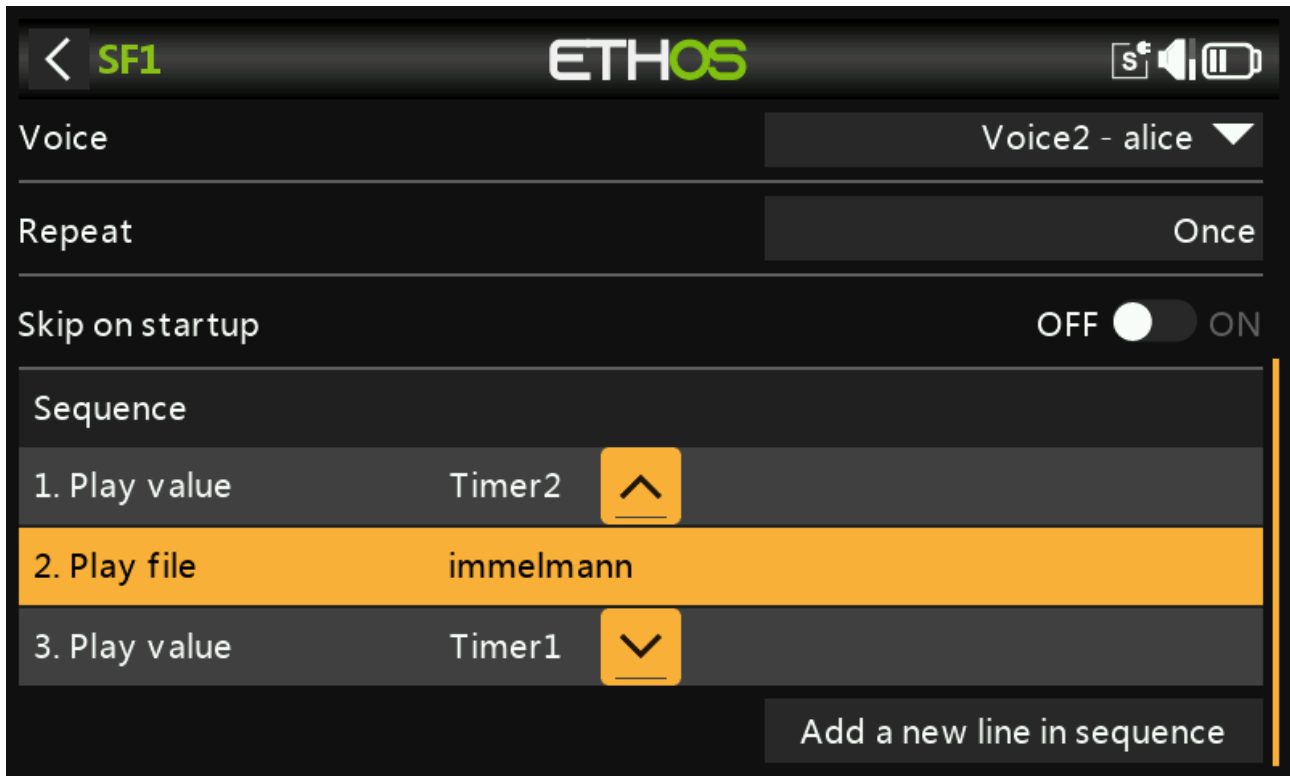.txt (text) or .md (markdown) files can be displayed inside the Text widget

Custom checklist

.txt (text) or .md (markdown) files displayed in Checklists

Play audio to play audio sequences

Values and Files can be played in sequence within the same function, their order is easily modifiable and cloneable

Conditions (Source or Duration) may be inserted inside the sequence so that the next prompt is played once the condition is true (i.e. to play IMAC sequences)

And it's possible to configure a Reset condition which restarts the sequence from the beginning at any moment.

Multiple voices

Up to 3 voices allowed, system wide. The main voice is used for system prompts, but the other voices can be chosen for the Play audio function or Timer audio actions.
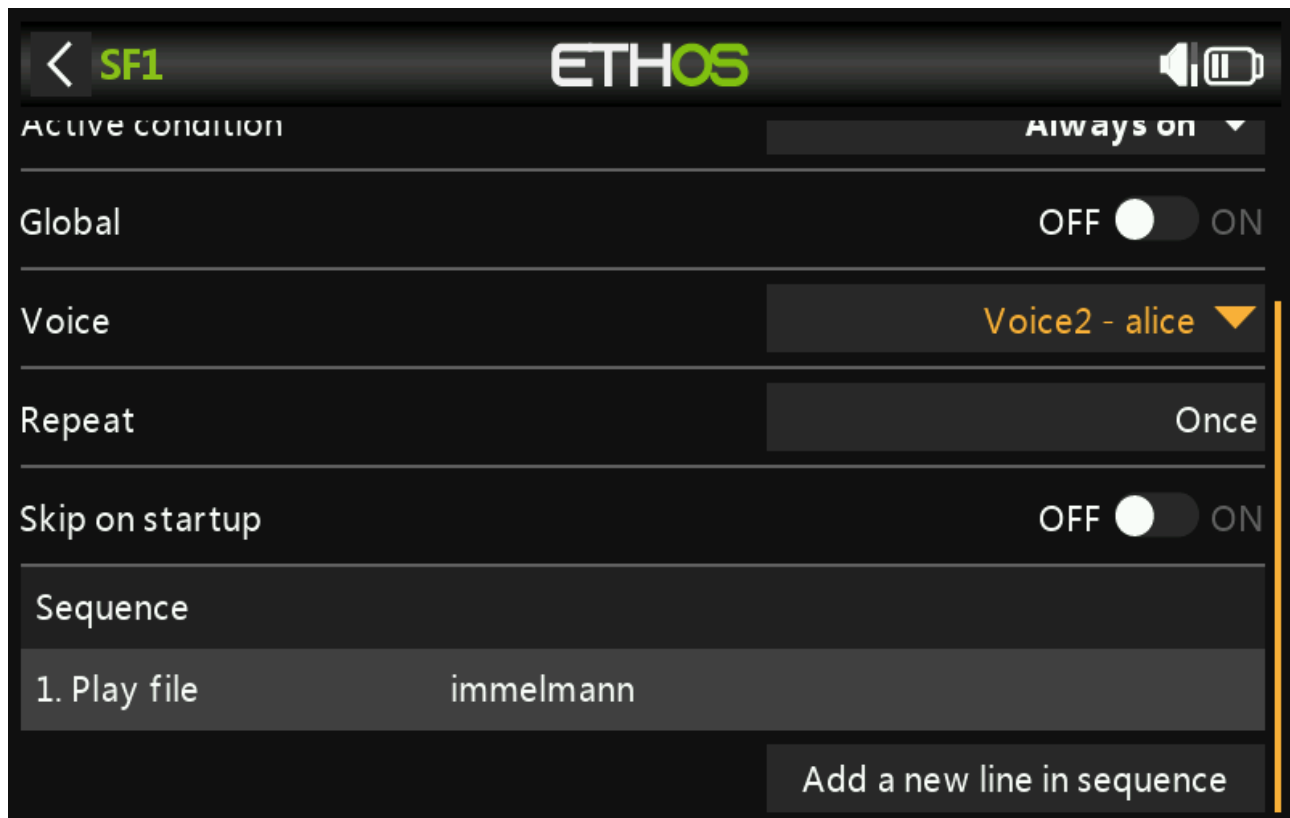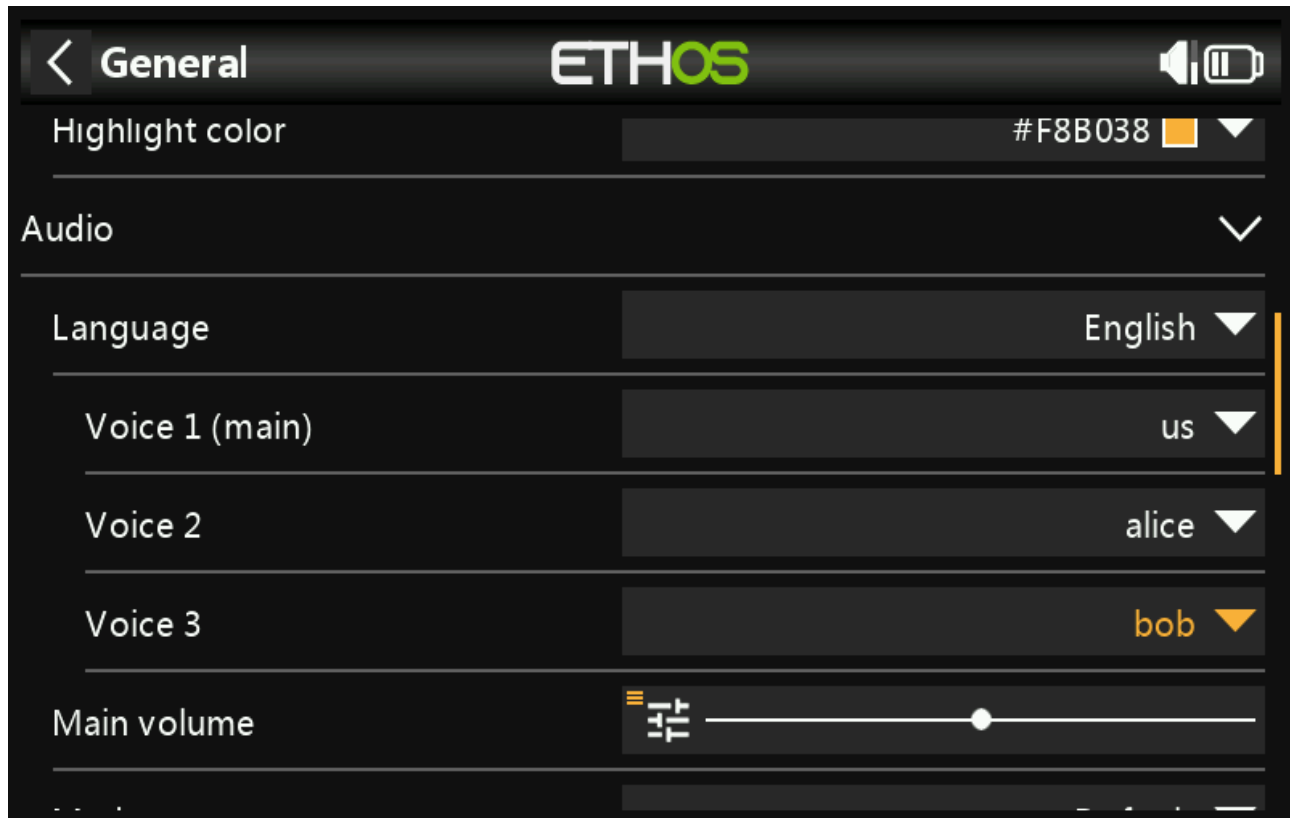
Value	00:00:00
Proportional timing source	--- ▼
Reset	--- ▼
Persistent	OFF ⬤ ON
Voice	Voice3 - bob ▼

Audio actions

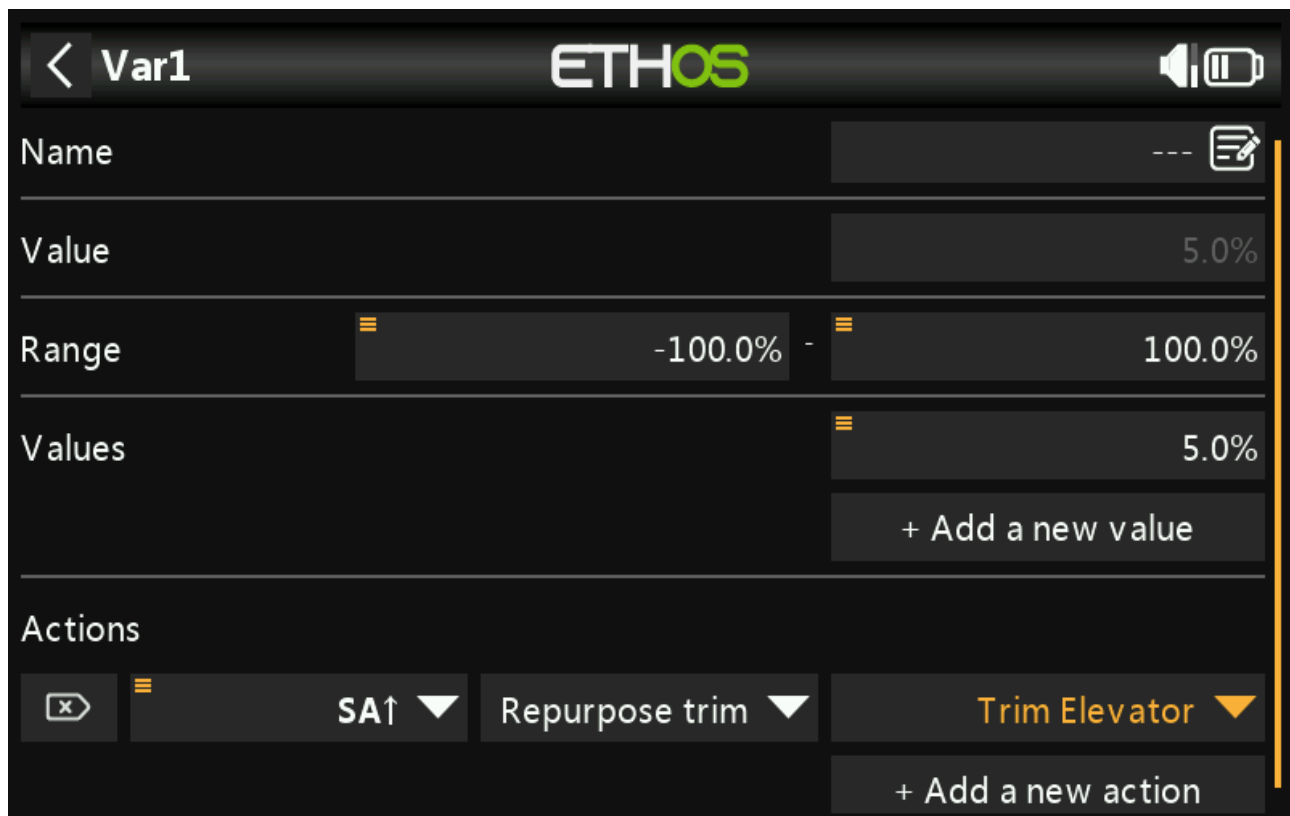| 1. Countdown	Start: 00:02:00 Step: 30s	⟩▯⟨
	Add a new audio action	

Vars

The «Var » mix has been removed and replaced by a new « Vars » module :
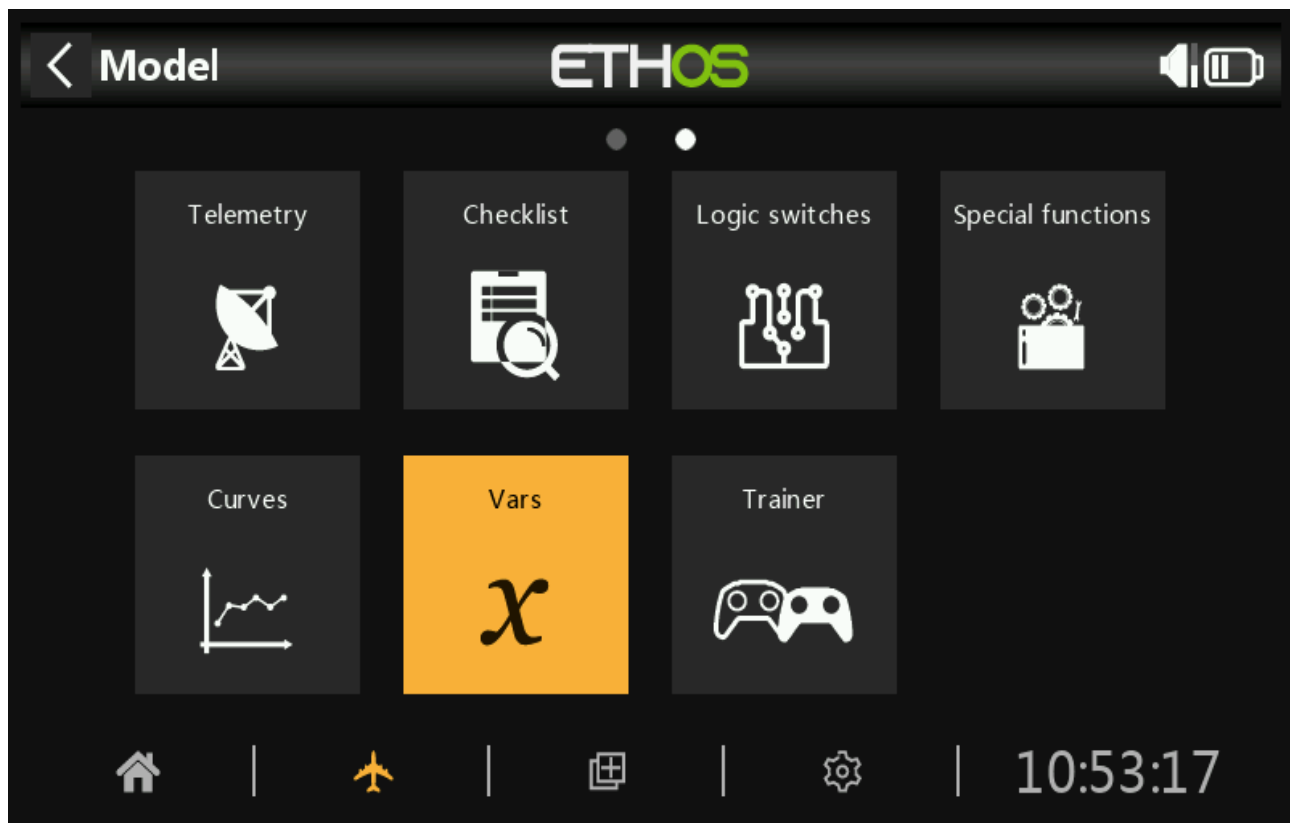
Up to 64 vars allowed, with multiple values per Var, and multiple actions to modify those values. The range can be driven by another Var.

Those Vars are available on all parameters where the « hamburger » icon appears.
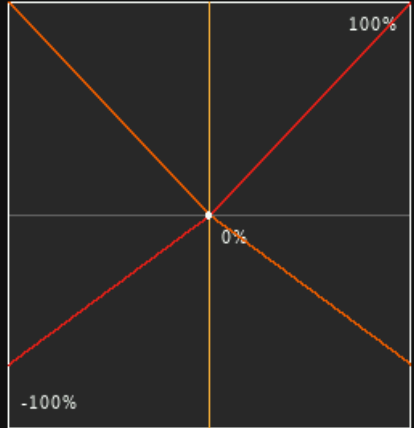
Name	Ailerons
Active condition	Always on ▼
Curve	--- ▼
	+ Add a new curve
Weight / Rates	100%
	+ Add a new weight
Differential	Var1 ▼ 30%
Trim	OFF ⬤ ON

And even in curves !
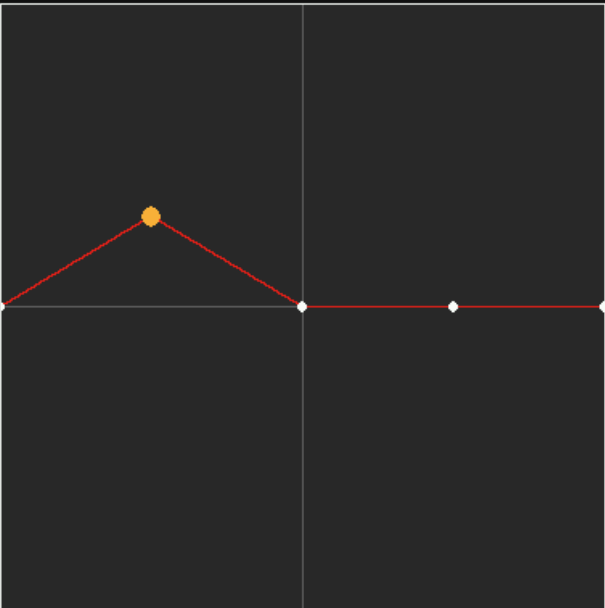
Easy mode

Offset	0%
Points	⌄
1.	-100% 0%
2.	-50% Var1 ▼
3.	0% 0%
4.	50% 0%
5.	100% 0%

Log Viewer

Multiple curves ...
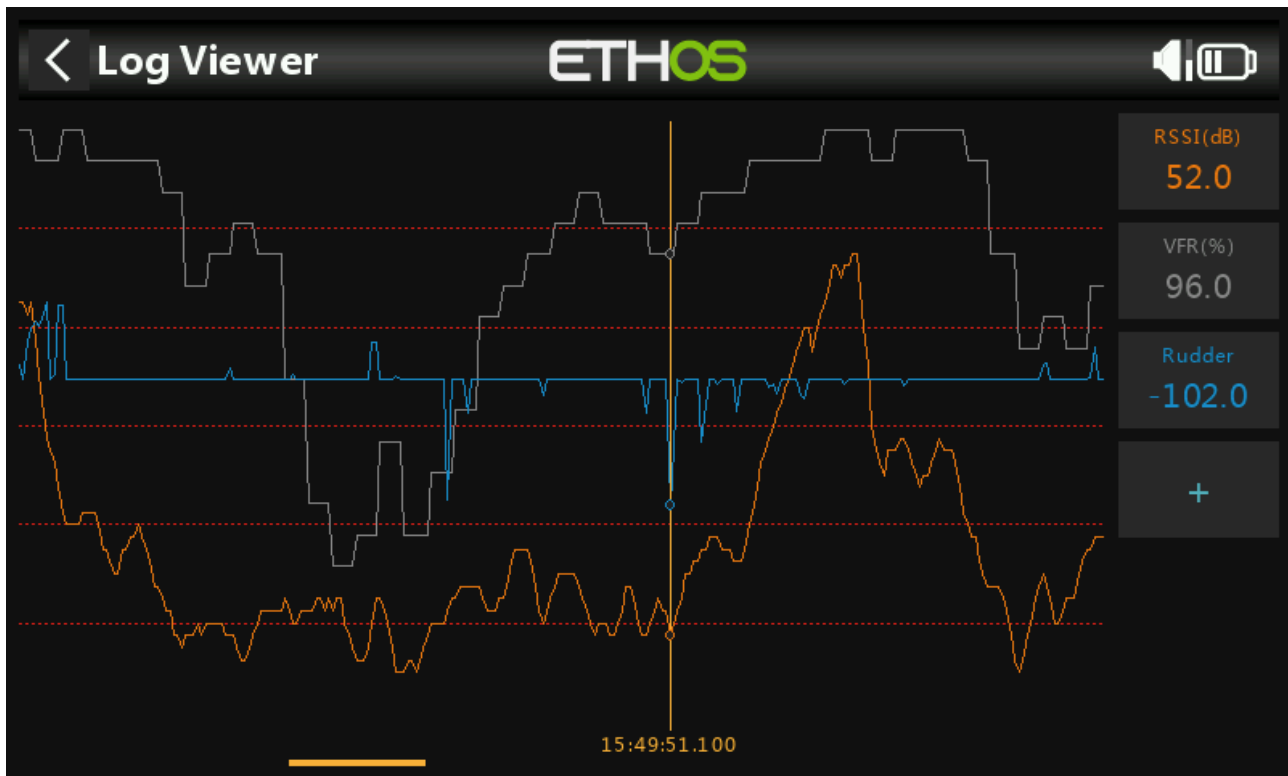
With zoom ...

And custom colors ...
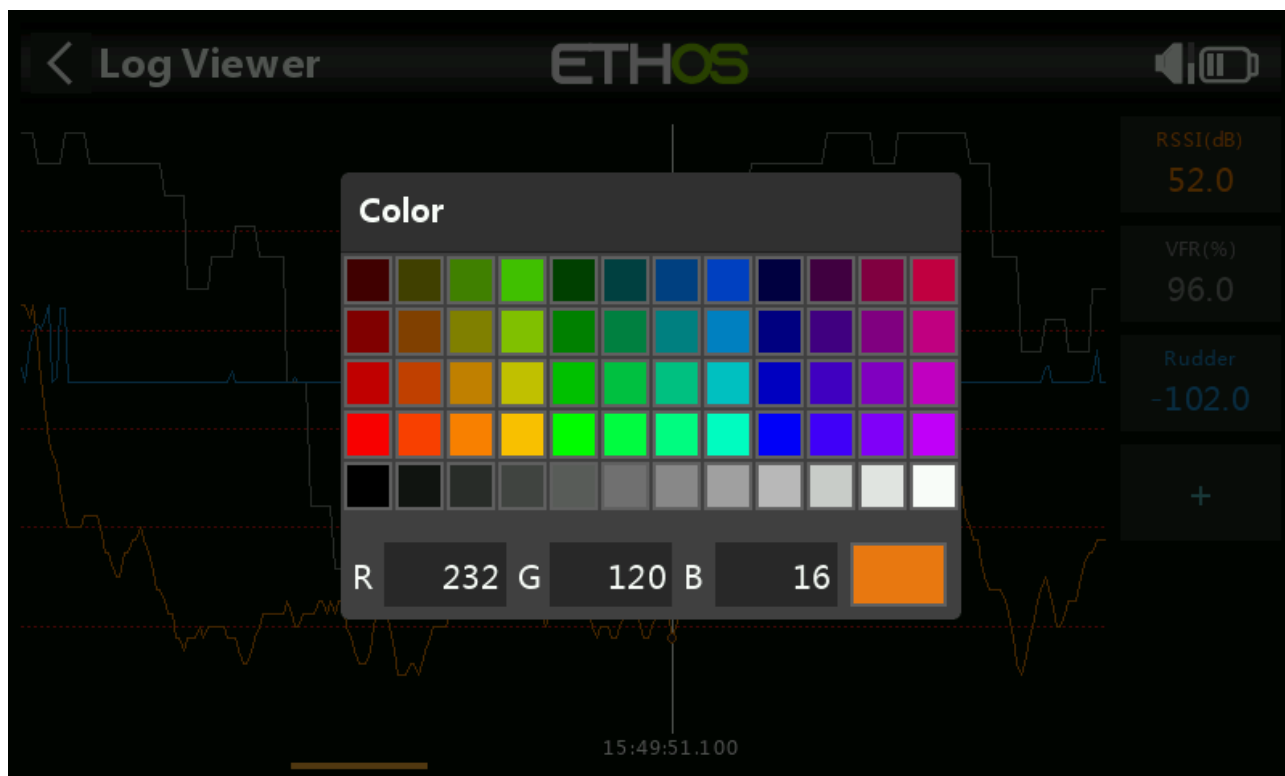
More powerful Free Mix

It was not possible to have multiple weights, or multiple curves inside th previous free mix. Also the actions order is now modifiable.

Active condition   Always on ▼

Action   Curve ▼

Type
Curve
Weight
Differential
Offset
Slow

Curve   xpo ▼   40%

Add a new curve

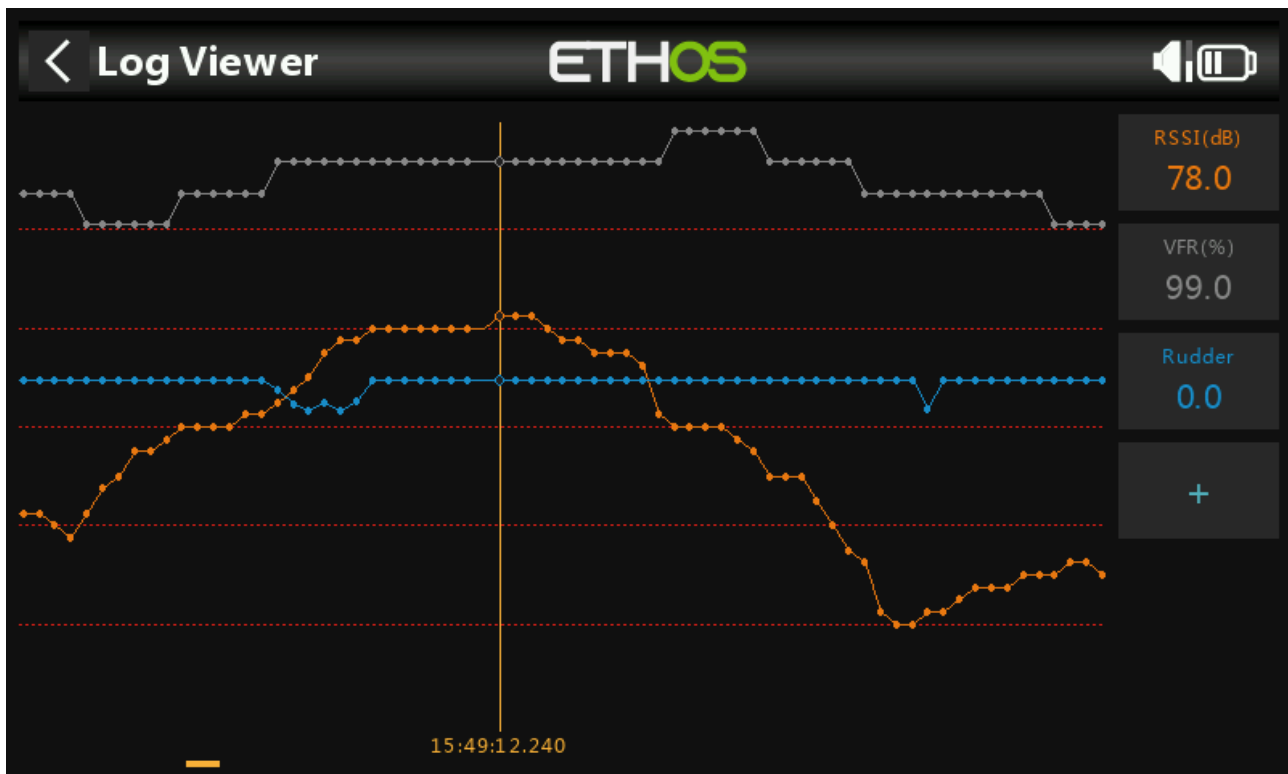Operation   Add ▼

Actions

Always on	Weight	SA- ...... 80% SA↓ ...... 60% Otherwise 100%
Always on	**Curve**	**Expo(40%)**
Always on	Slow	∨ 1.5s ↓1.0s
		+ Add a new action

Channels count   1
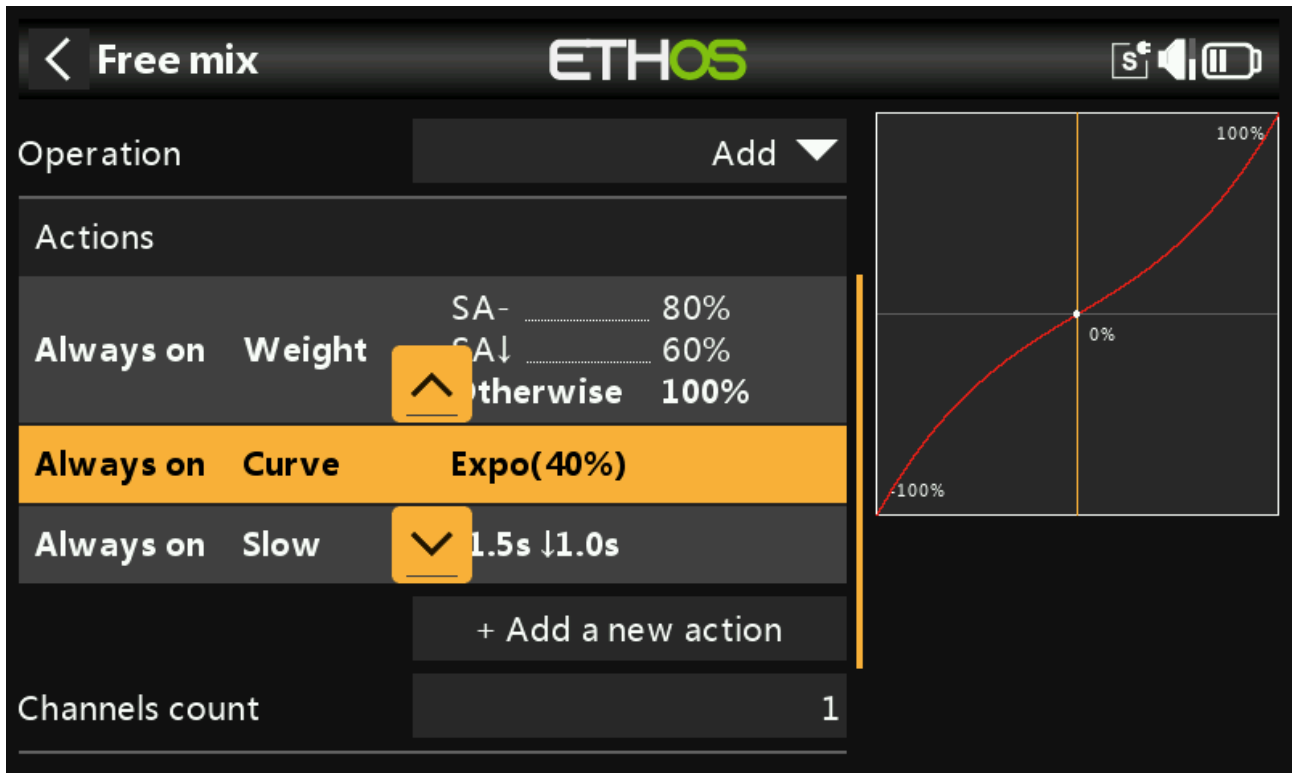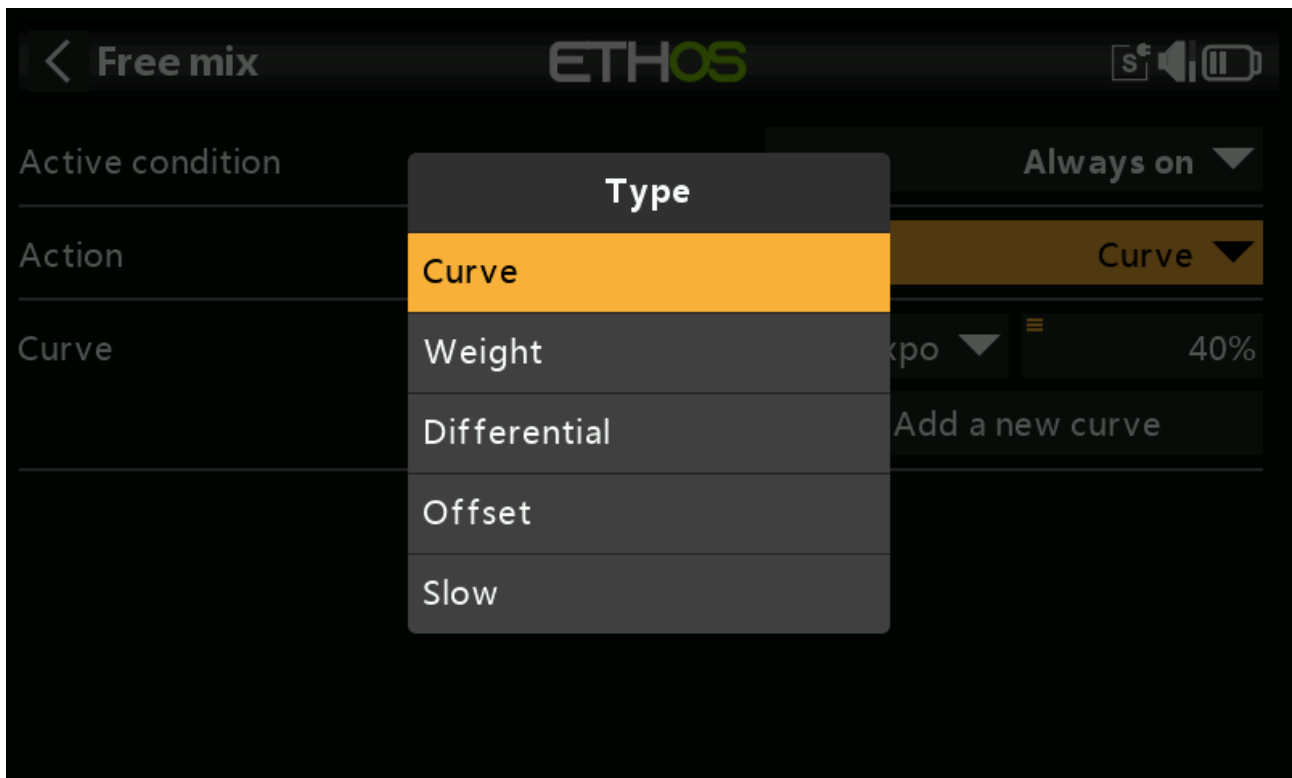
Bluetooth file transfer

File manager · ETHOS

/models

[..]

model08.bin

model09.bin

model31.bin

model32.bin

| SD card | Flash |

❓ Confirm

About to receive file Test.txt to folder /models.
File size is 100B.

| Yes | No |

Filename: model08.bin
File size: 1.5KB
Last Modification: 2023-05-04

File manager · ETHOS

/models

[..]

model08

model09

model31

model32.bin

| SD card | Flash |

⧗ File transfer

Sending model08.bin...   47%

| Close |

Filename: model08.bin
File size: 1.5KB
Last Modification: 2023-05-04

Bluetooth model transfer
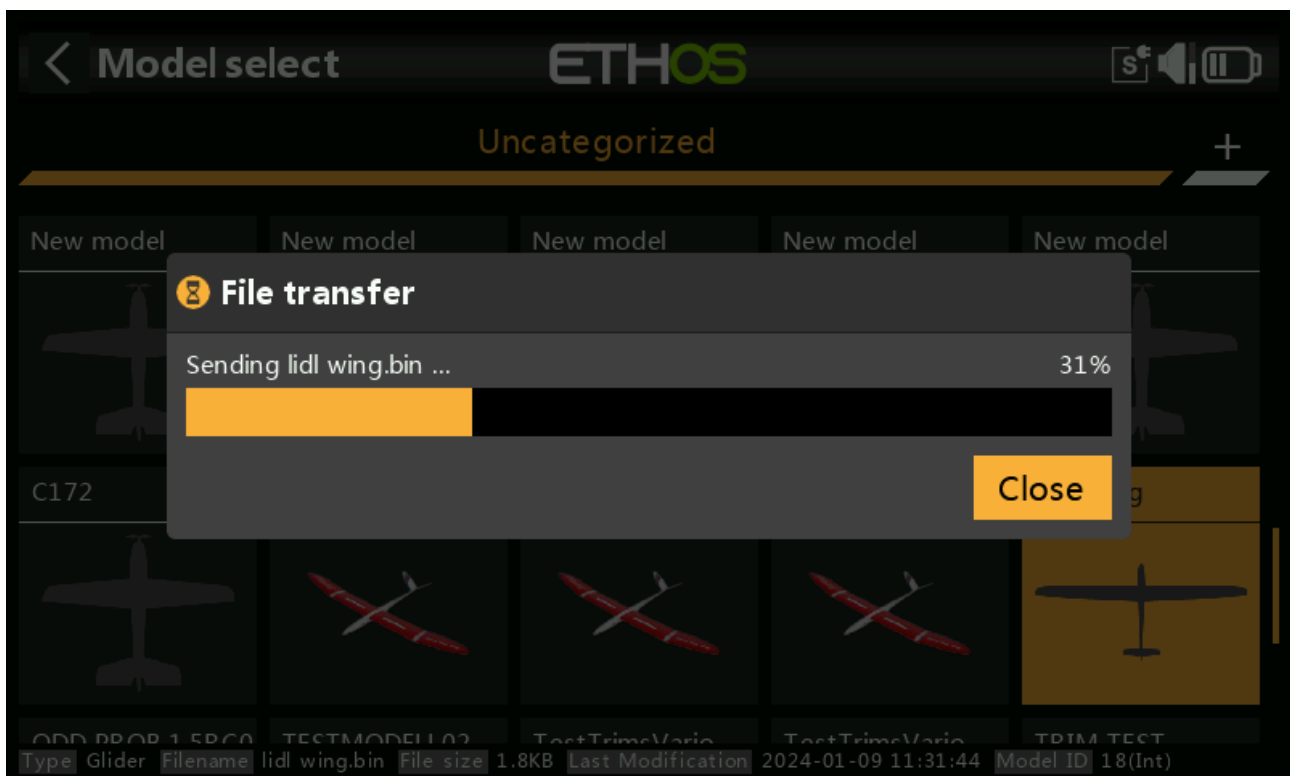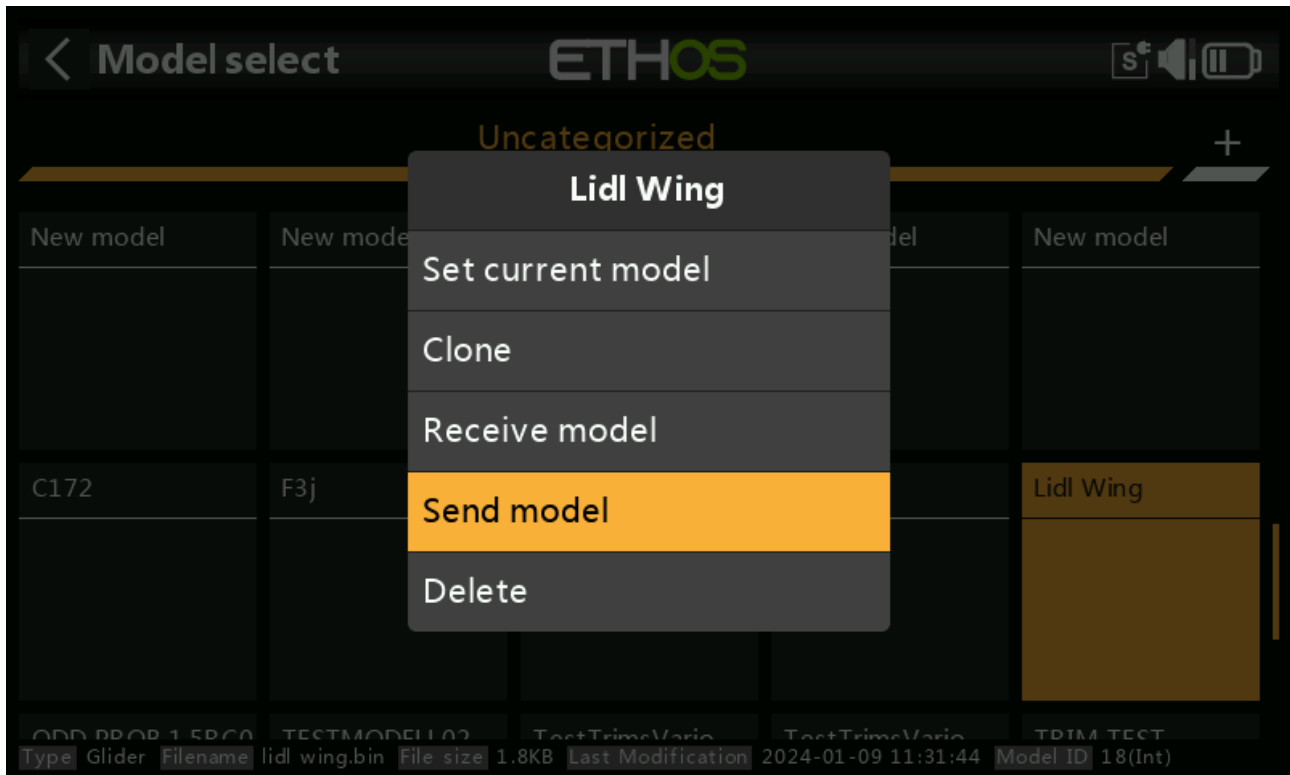
Enhanced Trims

The « Trim » mix has been removed and replaced by a better trim control :

3 modes allowed to control each trim :

- Easy mode : one value for all conditions
- Independant trim per flight mode
- Custom : with conditions and complex programming
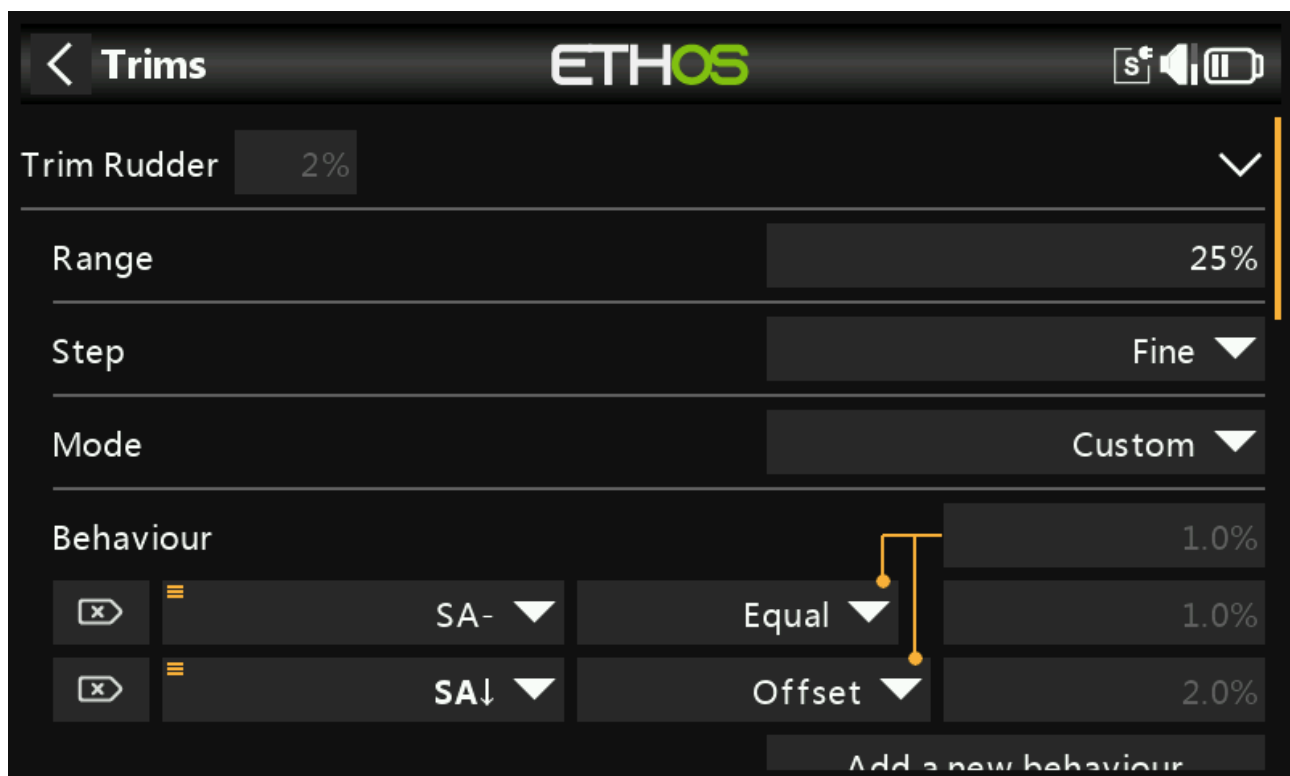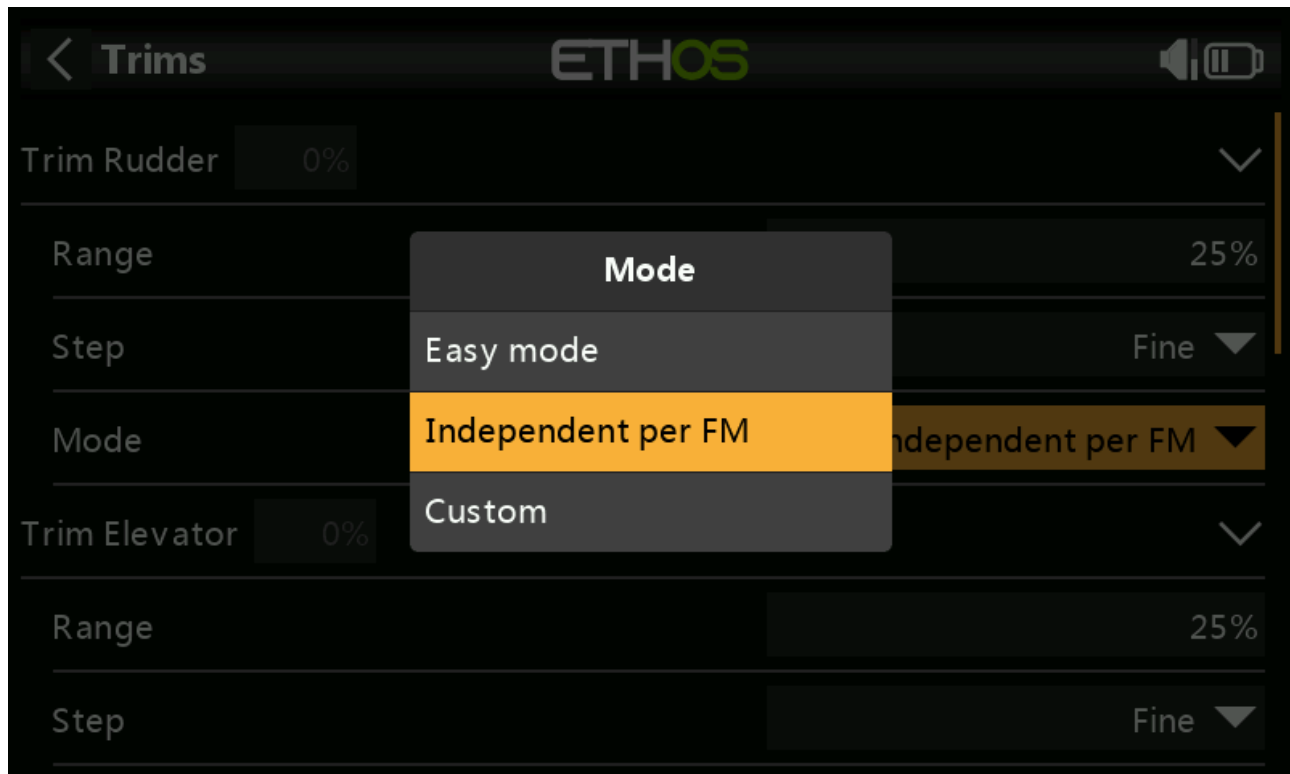
5 extra trims can be used in addition to the « normal » 4 trims (6 on some radios). They benefit from the same features as the other trims and they have a condition for Up and Down

Extra trim 1   -25%   ⌄

| Name | XtraTrim 📝 | Delete |

| Up | SA↑ ▼ |

| Down | SA↓ ▼ |

| Range | 25% |

| Step | Fine ▼ |

| Mode | Easy mode ▼ |

Instant Trim

Long awaited feature !

Move trims to subtrims

Trainer from CPPM and SBUS

The complete System / Wireless screen has been removed and functions moved to where Bluetooth can be used (Trainer / Telemetry / Audio).

Discover new sensors   OFF ●○ ON Delete all

Competition   ○ ON
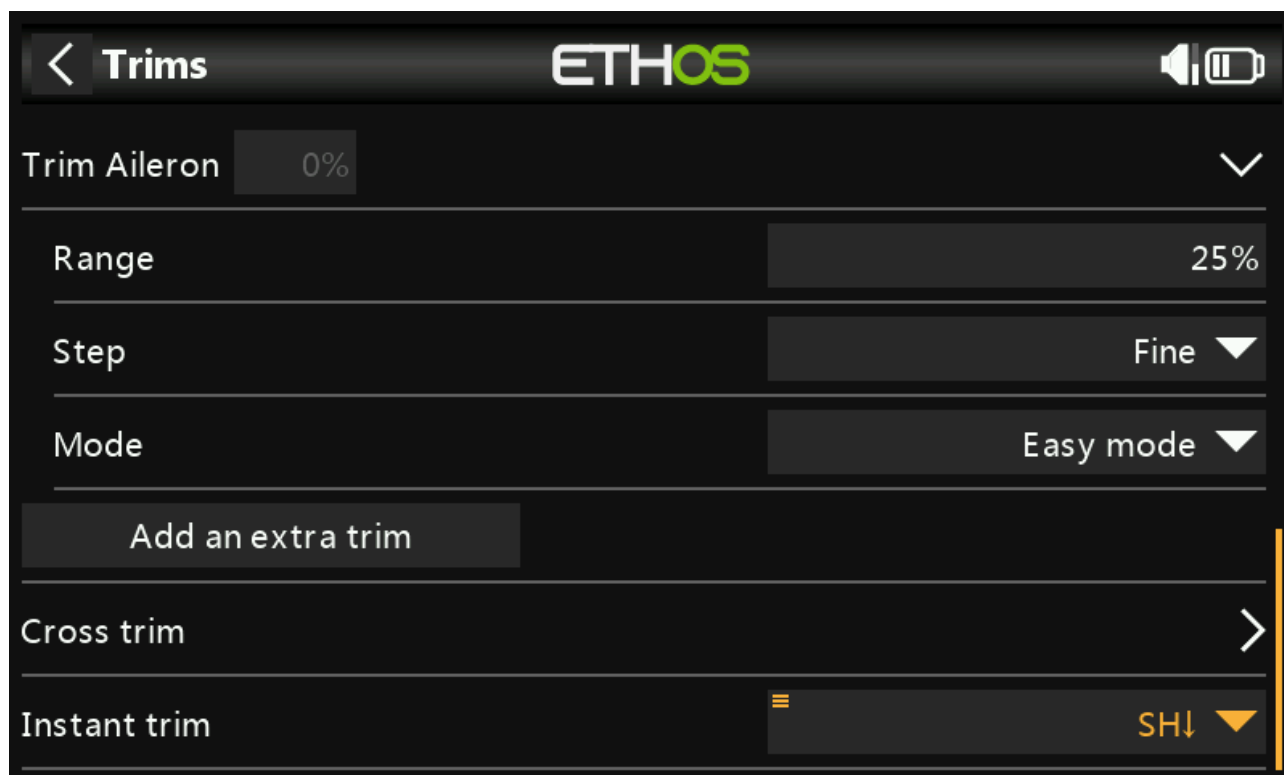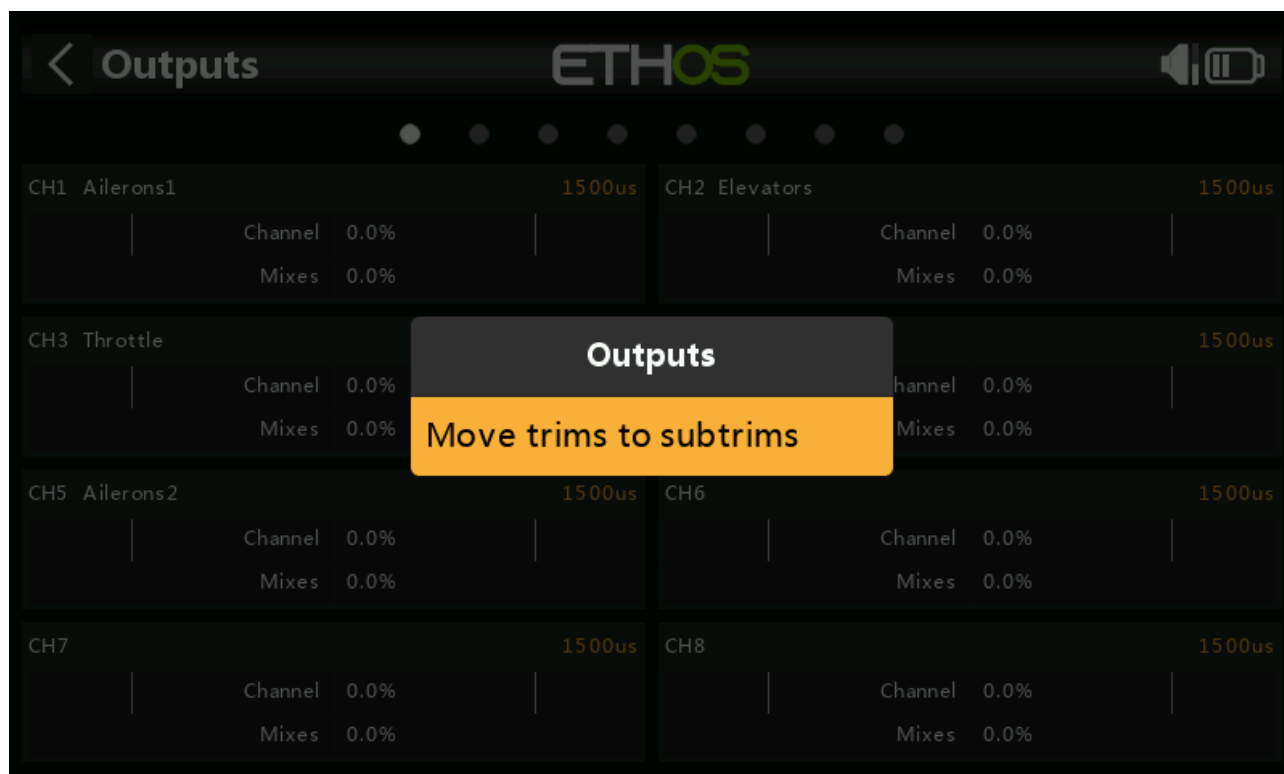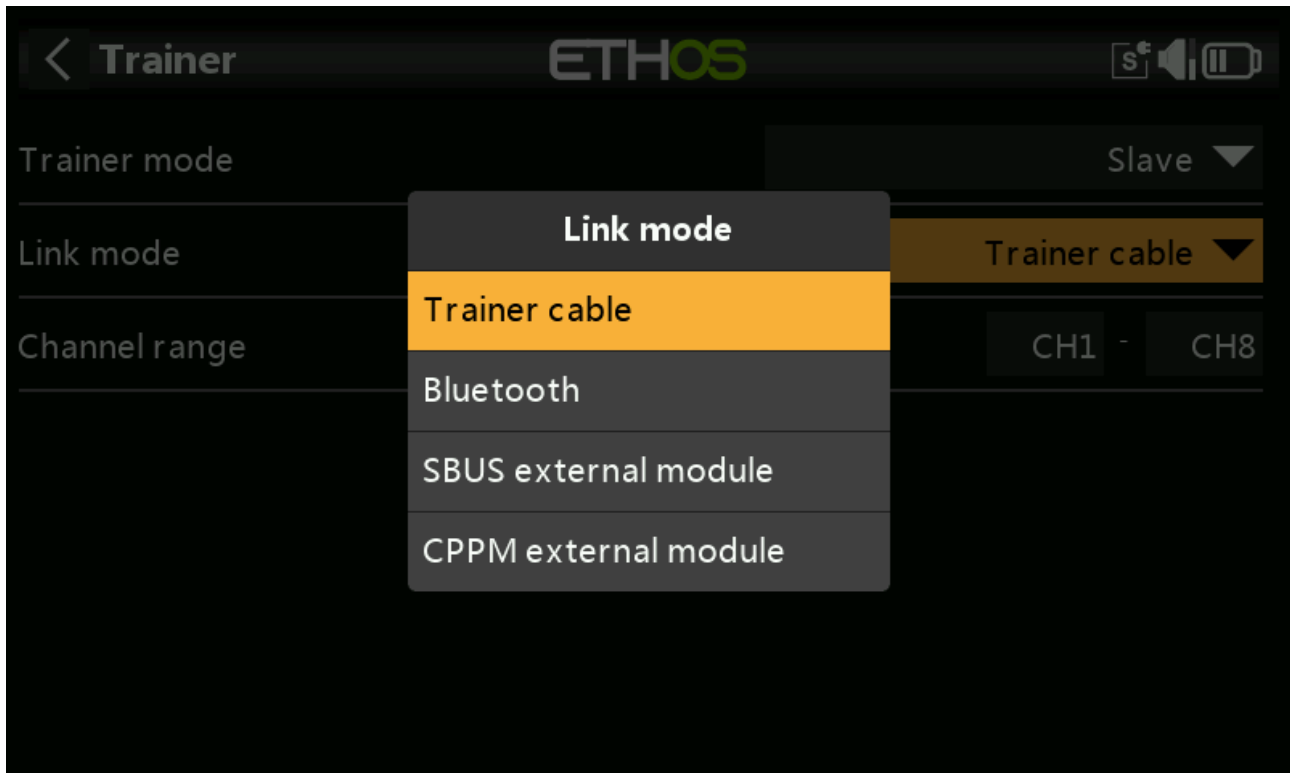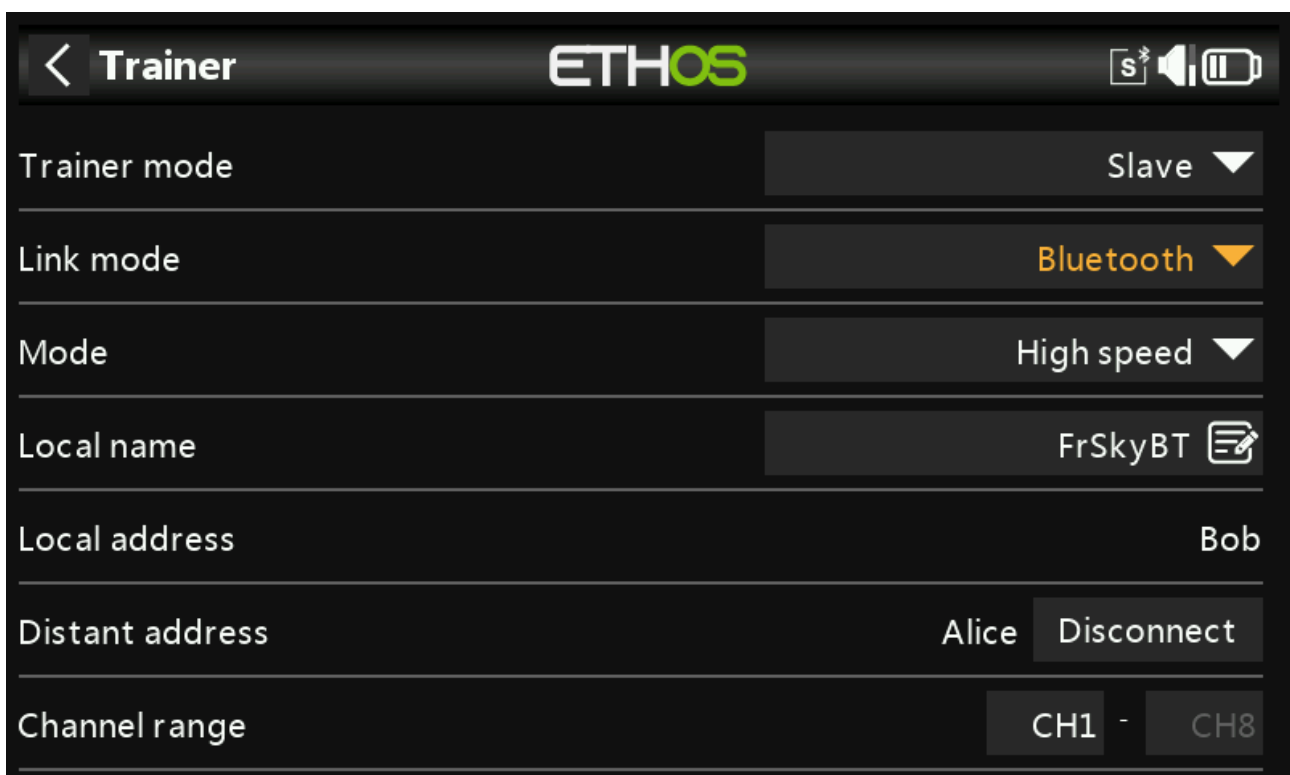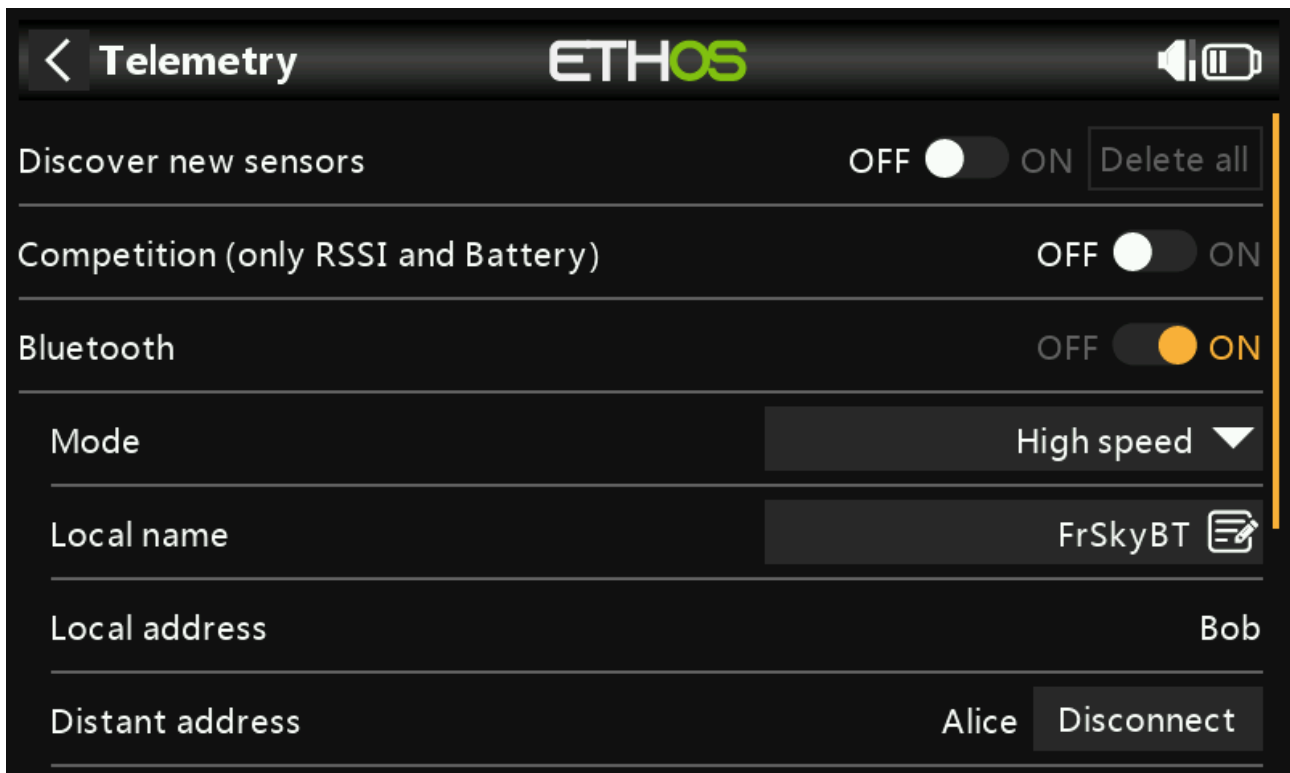
Bluetooth   ● ON

❓ Confirm

Bluetooth is now used by Trainer. It will be stopped.
Are you sure you want to continue?

Yes   No

Cr   nsor

Name

Discover new sensors   OFF ●○ ON Delete all

Competition (only RSSI and Battery)   OFF ●○ ON

Bluetooth   OFF ○● ON

Mode   High speed ▼

Local name   FrSkyBT 📝

Local address   Bob

Distant address   Alice Disconnect
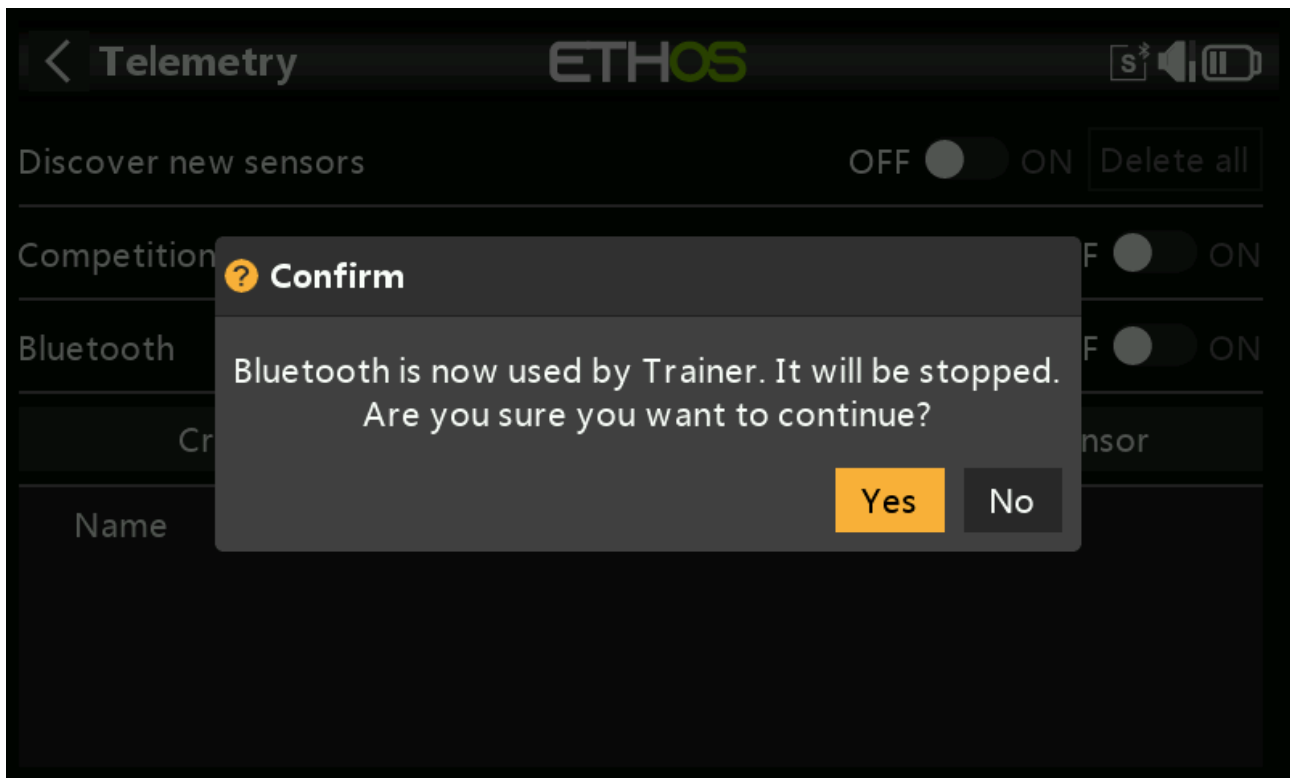
New model wizard improved

Stabilized receivers special mixes automatically created
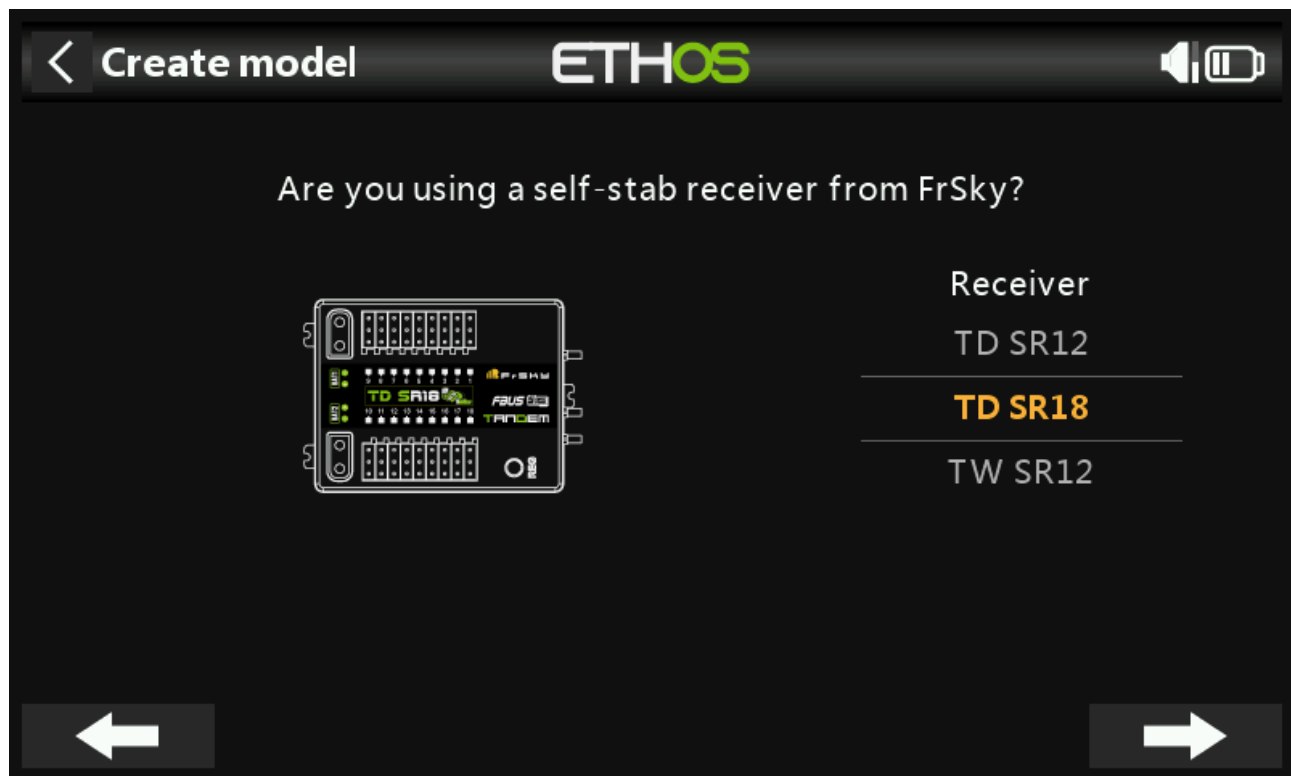
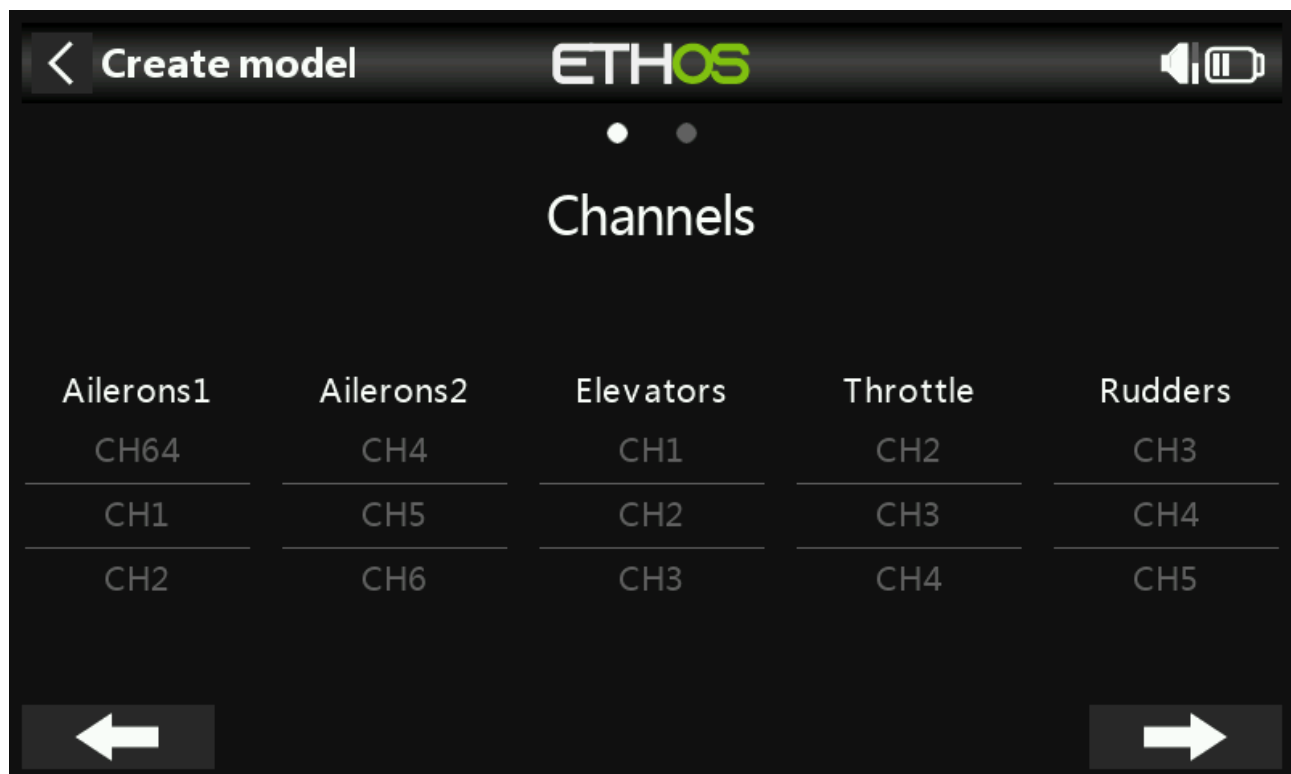
Channels review before saving the model

ETHOS

Discover new sensors	OFF ⬤ ON	Delete all
Competition (only RSSI and Battery)	OFF ⬤ ON	
Bluetooth	OFF ⬤ ON	
Mode	High speed ▼	
Local name	FrSkyBT ✎	
Local address	Bob	
Distant address	Alice	Disconnect