

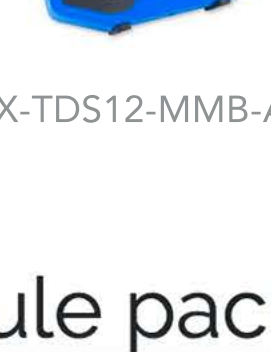
Transmitter Duplex DS-12 EX Multimod

The transmitter is available in a general configuration that will meet the needs of most users for most model types.
For the general configuration please read below.



JDEX-TDS12-MMR-AU

JDEX-TDS12-MMK-AU



JDEX-TDS12-MMB-AU

DS-12 transmitter features		Upgradable	Installed
Feature	Software extension		
Channels	8 (up to 12) / (up to 16)		
Accelerometer (DS only)			
2.4GHz module in "Double Path"			
900MHz NG backup module			
Flight Modes	3 (up to 6)		
Free Mixes	5 (up to 20)		
Telemetry Analysis via Graphs			
Audio Player			
Support Mp3			
Microphone			
Vibration Alarms			
Logical Switches	0 (up to 16)		
Number of Remote Commands	0 (up to 16)		
Telemetry Controls	0 (up to 16)		
Servo Sequencer	0 (up to 6)		
Timers	3 (up to 10)		
Displayed Telemetry Values	10 (up to 40)		
Sound on Events	5 (up to 20)		
Alarms	10 (up to 40)		
Data Stream Logging	80		
Voice Output			
Gyro Settings	1 (up to 3)		
Servo Balancer			
Function Curves			
Throttle Limiter			
Vario			
Flight Modes Trim			
Number of Control Directions	14		
Lua Apps	10		
Gimbals & Buttons	Plastic		
Sick Resolution	4096		
Gimbal Hall Sensors			
Memory, SD Card	8 GB		
RF Module 2.4GHz	1		
Number of Antennas	3		
Backlit LCD	3.5" 320 x 240 px, color, high contrast		
Weight (kg)	0.7		
Dimensions (mm)	194x215x55		
Transmitter Battery Pack (mAh)	Power-Ion, 1500mAh		
Battery Charger			
* Module 900 MHz NG (Next Generation)			

Module packages

Basic DS12

Basic DS12

Med. DS12

Med. DS12

Full DS 12

Full DS 12

Alternately, you can order the radio with 3 different software upgrades pre-installed. Basic (J-DS12-SW-B), Medium (J-DS12-SW-M) or Full (J-DS12-SW-F). These pre-installed upgrades come at a discounted price compared to buying the individual features from the Jeti Shop. We are able to perform this upgrade at time of purchase, simply add your chosen upgrade to the shopping cart and purchase along with your chosen DS-12 Transmitter.

Modules

Accelerometer

Full DS 12



Activation of accelerometer integrated in the transmitter. Tilting the transmitter can then control extra functions or trigger voice outputs of telemetry and other values. Configuration of accelerometer is available in Advanced Properties > Accelerometer.

Audio player

Med. DS12

Full DS 12



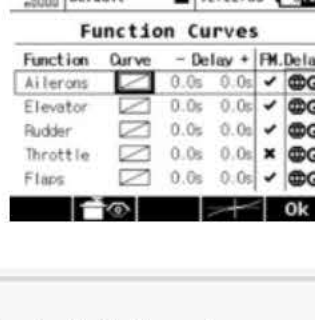
Activates the function of audio files player. You can easily upload any audio file in wav format to the transmitter and play it via this application. Useful when flying to music or as background sound. The function is available in Applications > Audio Player.

Function curves

Basic DS12

Med. DS12

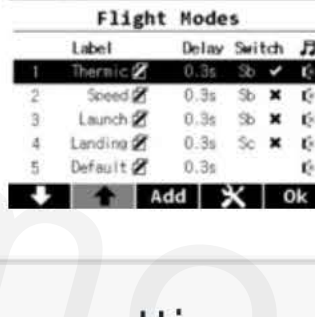
Full DS 12



Makes it possible to use a curve to define the relationship between the position of the control and the resulting position of a servo. After activating this module it is possible to use the curve for any model function. The setting is available in Fine Tuning > Function Curves.

Flight Modes - up to 6

Full DS 12



Increases the number of programmable flight modes from 3 to 6. Good choice if you fly with helicopter or glider models and the basic number of flight modes is not enough for you. Setting of the flight modes is carried out in Fine Tuning > Flight Modes.

Gyro settings up to 3

Full DS 12



Increases the number of gyroscope adjustable functions that can be used in one model up to 3. This way you can easily tune the gain of each axis of a flybarless stabilization system. The configuration of gyro functions is available in Fine Tuning > Gyro Settings.

Servo balancer

Med. DS12

Full DS 12



Activates the balancer function for up to 14 channels. The servo balancer is suitable for large models that have control surfaces driven by several linked servos. This can fine-tune the servo positions so that the resulting movement of the surfaces is synchronous without mutual force interaction. Servo Balancer is available in Model > Servo Setup.

Telemetry analysis via graphs

Basic DS12

Med. DS12

Full DS 12



Activates the possibility of analyzing telemetry data from the records using graphs. Then it is possible to analyze the time course for up to three telemetry values immediately after the flight. The function is available in Application > Data Analyzer.

Throttle limiter

Basic DS12

Med. DS12

Full DS 12



Activates the function of adjustable throttle limiter. Suitable for model helicopters where it enables a smooth start from zero RPM up to a set RPM. Available in Fine Tuning > Throttle Limiter.

Voice output

Basic DS12

Med. DS12

Full DS 12



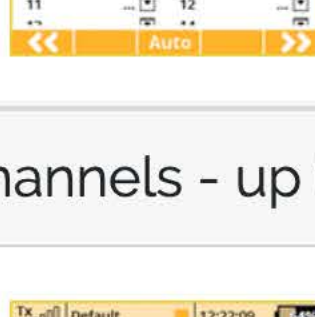
Activates the voice interpretation of telemetry data via speaker or headphones. The numerical outputs of telemetry sensors are read to the user. Setting of individual announced values is available in Timers/Sensors > Voice Output.

Channels - up to 12

Basic DS12

Med. DS12

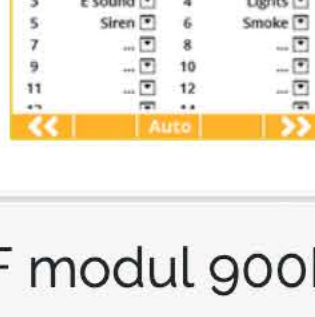
Full DS 12



Increases the number of the transmitter channels from 8 to 12. If you fly large model airplanes with advanced wing mechanization and 8 channels is not enough for you, activate this module.

Channels - up to 16

Full DS 12

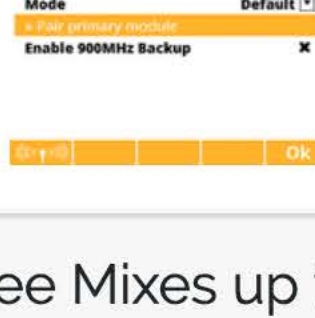


Increases the number of the transmitter channels from 12 to 16. If you fly very large model airplanes with advanced wing mechanization and 12 channels is not enough for you, activate this module.

VF modul 900MHz

Med. DS12

Full DS 12



Enables the NG back-up transmitter module in the 900MHz band NG (Next Generation). The DS-12 transmitters feature a backup wireless system for high data transmission safety and reliability.

Free Mixes up to 20

Med. DS12

Full DS 12

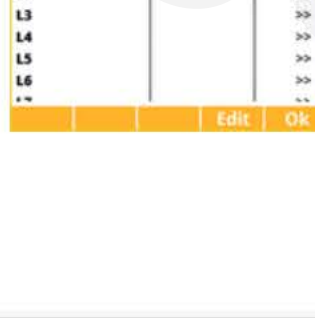


Increases the number of free mixes from 5 to 20. Configuration of free mixes is carried out in Fine Tuning > Free Mixes.

Logicswitches up to 16

Med. DS12

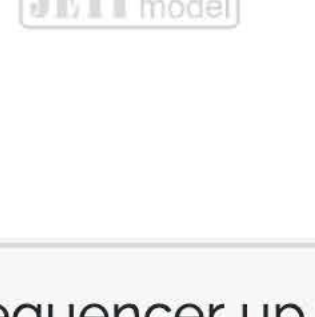
Full DS 12



Enables the function of 16 logical switches that determine their output according to the position of up to two assigned controls. You can also assign the output of each logical switch as the input of any model function. This way it is possible to create several virtual controls very easily that can be used to control the securing of landing gear, start timers or the activation of aerodynamic brakes. The configuration is available in Advanced Properties > Logical Switches.

Number of remote commands up to 16

Full DS 12

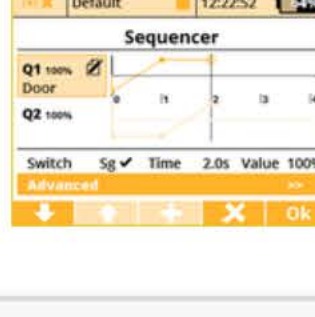


Activation of 16 control commands for controlling devices connected via EX Bus. By the simple move of a switch on the transmitter it is possible e.g. to delete maximums and minimums recorded in the Central Box after each flight. The control commands can be understood as extra channels for additional functions of the model. The summary of active commands is to be found in Model > Device Explorer.

Sequencer up to 6

Med. DS12

Full DS 12



Activation of up to 6 user adjustable sequences. The start is carried out via an assigned control. Using the sequencer, you can easily achieve realistic landing gear retraction in scale models, in addition it is possible to control periodic events, such as position lights blinking. Setting the sequences is possible in Advanced Properties > Sequencer.

Timer up to 10

Basic DS12

Med. DS12

Full DS 12



Increases number of timers from 3 to 10. Suitable for pilots in competition categories, where they perform several tasks in a specified time. The pilot thus gets a perfect overview of the flight time, motor time or a lap time. The configuration of timers is available in Timers/Sensors > Timers.

Values on display up to 40

Basic DS12

Med. DS12

Full DS 12



Increases maximum number of telemetry items displayed on the main screen from 10 to 40. If you want to display a large number of telemetry data items, activate this option. The data can be easily arranged in individual screens through which you can browse. You can configure the displayed items in Timers/Sensors > Main Screen.

Event sounds up to 20

Basic DS12

Med. DS12

Full DS 12



Increases the number of programmable sounds on events from 5 to 20. The sound file can start playing according to the condition of the assigned driver. Suitable as notification if extra functions of the model are active, such as landing gear retraction or flaps activation. The configuration of sounds on events is available in Advanced Properties > Sounds on Event.

Alarms up to 40

Basic DS12

Med. DS12

Full DS 12

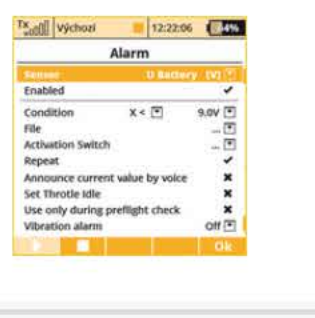


Increases number of user adjustable alarms from 10 to 40. Select this feature if you want to be always kept informed about the condition of your power batteries, exceeded height or of any other data. Example: If you set several successive alarms on reaching certain battery capacity, you will always be informed about the phase of your flight and if it is necessary to land. If you have the „Voice Output“ mode activated, you can also get information about the value of a specific data item. Setting the alarms is available in Timers/Sensors > Alarms.

Vibration Alarms

Med. DS12

Full DS 12



The transmitter are equipped with shaking vibration motor that can be used for alarm notifications, etc. For each alarm you can optionally specify a type of vibrations (1-3 pulses, long or short) and the intensity can be specified in 3 steps (low, medium, high).

Telemetry Controls up to 16

Med. DS12

Full DS 12



Not only can you display telemetry data, record it to your SD card or have it voice announced, with this module it is possible to control specific model functions using sensor inputs. This way, some tasks that previously required manual adjustment via visual estimation or alarms can now > be automated (for example, when the pressure drops to the set value, then the gear opens automatically, it is also necessary to use the function of the logical switch). Up to 16 controls labeled MX1 – MX16 are available.

Voice Commands

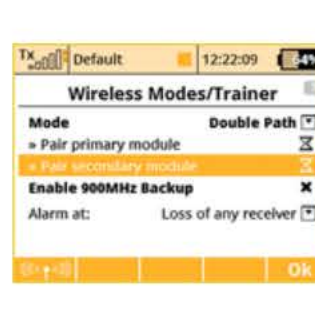
Full DS 12



Double Path

Med. DS12

Full DS 12



"Double Path" mode – the transmitter RF module communicate independently with two different receivers. The receivers can be interconnected via an intelligent synthesizer, for instance the JETI Enlink, or the basic control functions can be divided between two independent receivers. In this mode the 2.4GHz Duplex module communicates independently with two receivers. This greatly improves safety and reliability since both receivers communicate independently with the RF module.

Vario

Full DS 12



Activates the possibility of acoustic expression of the vario output via tones. The vario is very helpful when searching for thermals and generally when flying in thermals with model sailplanes. After activating the module you can choose the tone range and other parameters in Timers/Sensors > Vario.