

T18SZ Comparison Table

T16SZ FUNCTION LIST

SYSTEM	Item	T18MZ (T18MZ-WC)	T18SZ	T16SZ	T14SG
Modulation		FASSTest, FASST, S-FHSS, (T-FHSS)	FASSTest, FASST, T-FHSS, S-FHSS	FASSTest, FASST, T-FHSS, S-FHSS	FASSTest, FASST, S-FHSS
Channel (Linear CH + Digital CH)		16 + 2	16 + 2	16 + 2	12 + 2
Internal Model Memory	The internal memory supports file system, so not only model data but also picture or sound files can be stored there.		30	30	30
External Model Memory	SD Card (SDHC is available.)	SD Card (SDHC is available.)	SD Card (SDHC is available.)	SD Card (SDHC is available.)	SD Card (32MB ~ 2GB) (SDHC is available, but File system is up to 2GB.)
Model Data Transfer		No	No	No	No
Conventional Frequency Synthesizer System		No (Dedicated 2.4GHz)	No (Dedicated 2.4GHz)	No (Dedicated 2.4GHz)	No
2.4GHz Module		No (Dedicated 2.4GHz)	No (Dedicated 2.4GHz)	No (Dedicated 2.4GHz)	No (Dedicated 2.4GHz)
Telemetry System		Yes	Yes	Yes	Yes
Voice Message		Yes	Yes	Yes	Yes
Software Update	Yes (Through SD card)	Yes (Through SD card)	Yes (Through SD card)	Yes (Through SD card)	Yes (Through SD card)
Stick Calibration		Yes	Yes	Yes	Yes
Stick Mode		1~4	1~4	1~4	1~4
Multi language		Yes (4 languages)	Yes (9 languages)	Yes (9 languages)	Yes (9 languages)

HARDWARE	Item	T18MZ	T18SZ	T16SZ	T14SG
LCD		6 inches 840 x 240 pixels Color TFT-LCD	4.3 inches 480 x 272 pixels Color TFT-LCD	4.3 inches 480 x 272 pixels Color TFT-LCD	128 x 64 dot (Larger than T8FG) (with Backlight)
LED		1 (3 color LED)	1 (3 color LED)	1 (3 color LED)	2 (Red x 1, Blue x 1)
Touch Screen / Touch Sensor		Touch Screen	Touch Screen	Touch Screen	Wheel type Touch Sensor
Front Dial		2	2	2	2
Rotary Encoder with push switch		Yes	No	No	No
Side Lever		4	2	2	2
Trim Lever		6	6	4	4
Toggle Switch		8	8	8	8
Stick Switch	No (optional switches are available)	No (optional switches are available)	No (optional switches are available)	No	No
Edit Dial	Yes	No	No	No	No
Edit Key	4	2	2	2	2
Cross Key (Cursor Key)	No	No	No	No	No
Battery	7.4V Li-polymer 3500mAh	LiFe LT2F2100B (NiMH HT5F1800B is available)	HT5F1700B (6.0V Ni-MH) (LiFe LT2F2100B is available)	HT5F1700B (6.0V Ni-MH) (LiFe LT2F2100B is available)	HT5F1700B (6.0V Ni-MH) (LiFe LT2F2100B is available)
Antenna Angle Adjustment	Yes (90 degree and 3 step turnable)	Yes (90 degree and 3 step turnable)	Yes (90 degree and 3 step turnable)	Yes (90 degree and 3 step turnable)	Yes (90 degree and 3 step turnable)
Speaker	Yes	Yes	Yes	Yes	No
Earphone Jack	Yes	Yes	Yes	Yes	Yes
USB	Yes (Host)	No	No	No	No
Camera	Yes	No	No	No	No
Calendar Clock	Yes	No	No	No	No
S.BUS I/F	Yes (equivalent CIIJ-2)	Yes (with Power Supply)	Yes (equivalent CIIJ-2)	Yes (equivalent CIIJ-2)	Yes (equivalent CIIJ-2)
Trainer	PPM 8CH / PPM 12CH / S.BUS (16CH)	PPM 8CH / PPM 12CH / S.BUS (16CH)	PPM 8CH / PPM 12CH / S.BUS (16CH)	PPM 8CH / PPM 12CH / S.BUS (16CH)	PPM 8CH / PPM 12CH / S.BUS (14CH)
Trainer S.BUS port	Yes	Yes	Yes	Yes	Yes
DSC	No	No	No	No	No
Adjustable angle lever stick	Yes	Yes	No	No	No
Microphone	Yes	No	No	No	No
Vibrator	Yes	Yes	Yes	Yes	Yes

BASIC	Item	T18MZ	T18SZ	T16SZ	T14SG
User Name		32 characters	15 characters	15 characters	10 character
Model Name		32 characters	15 characters	15 characters	10 character
Condition Name	Yes	Yes	Yes	Yes	8 character (Hell and Glider)
Function Setting	Yes	Yes	Yes	Yes	Yes
Function Rename	Yes (AUX function only)	Yes (AUX function only)	Yes (AUX function only)	Yes (AUX function only)	No
Sub Trim	±240 steps	±240 steps	±240 steps	±240 steps	±240 steps
Servo Reverse	Yes	Yes	Yes	Yes	Yes
F/S	Yes	Yes	Yes	Yes	Yes
Battery F/S	All CH (FASSTest, FASST Multi, S-FHSS, (T-FHSS))	All CH (FASSTest, FASST Multi, T-FHSS, S-FHSS) Only 3CH (FASST 7CH)	All CH (FASSTest, FASST Multi, T-FHSS, S-FHSS) Only 3CH (FASST 7CH)	All CH (FASSTest, FASST Multi, T-FHSS, S-FHSS) Only 3CH (FASST 7CH)	All CH (FASSTest, FASST Multi Mode, S-FHSS)
EPA	30 ~ 140% (with Limit setting)	30 ~ 140% (with Limit setting)	30 ~ 140% (with Limit setting)	30 ~ 140% (with Limit setting)	0 ~ 140% (with Limit setting)
Servo Speed	Yes	Yes	Yes	Yes	Yes
Trim Setting	Step, Rate, Mode	Step, Rate, Mode	Step, Rate, Mode	Step, Rate, Mode	Step, Rate, Mode
Flight Condition	Full Condition (Maximum 8 conditions)	Full Condition (Maximum 8 conditions)	Full Condition (Maximum 8 conditions)	Full Condition (Maximum 8 conditions)	Part Condition (Helicopter / Glider : Max. 5)
AFR (D/R)	Yes	Yes	Yes	Yes	D/R, EXP
AFR Curve Mode	5 types	3 types	3 types	3 types	No
AFR Curve Point Number	Maximum 17 points	Maximum 17 points	Maximum 17 points	Maximum 17 points	No
Programmable Mixing	10 circuits per condition	10 circuits per condition	10 circuits per condition	10 circuits per condition	5 circuits
Throttle Cut	Yes	Yes	Yes	Yes	Yes (each condition setting is available at
Idle down	Yes	Yes	Yes	Yes	Only Airplane
Logic switch	Yes	Yes (Condition & DG switch only)	Yes (Condition & DG switch only)	Yes (Condition & DG switch only)	Yes (Condition & DG switch only)
Data editor for S.BUS equipments	Yes (S.BUS Sx, SBD-1)	Yes (S.BUS Sx, SBD-1)	Yes (S.BUS Sx, SBD-1)	Yes (S.BUS Sx, SBD-1)	Yes (S.BUS Sx, SBD-1)
Audio Player	Yes	No	No	No	No
Sound Player	Yes	No	No	No	No
User Menu	Yes	Yes	Yes	Yes	Yes
Servo Monitor	Yes (with NT and Moving Test)	Yes (with NT and Moving Test)	Yes (with NT and Moving Test)	Yes (with NT and Moving Test)	Yes (with NT and Moving Test)
Mixing Monitor	No	No	No	No	No
Up/Down Timer	2	2	2	2	2
Integral Timer (System Timer)	Yes	Yes	Yes	Yes	Yes
Model Timer	Yes	Yes	Yes	Yes	Yes
Stick Alarm	No	Yes	Yes	Yes	Yes
Quick Model Select	No	No	No	No	Yes

PLANE	Item	T18MZ	T18SZ	T16SZ	T14SG
Wing Type		13	13	13	7
Tail Type		3	3	3	3
Rudder Type		2	2	2	2
Flap Setting	Yes	Yes	Yes	Yes	Yes
AILE Differential	Yes	Yes	Yes	Yes	Yes
AILE to Camber FLAP Mix	Yes	Yes	Yes	Yes	Yes
AILE to Brake FLAP Mix	Yes	Yes	Yes	Yes	Yes
AILE to RUD Mix	Yes	Yes	Yes	Yes	Yes
AIRBRAKE to ELEV Mix	Yes	Yes	Yes	Yes	No
RUDD to AILE Mix	Yes	Yes	Yes	Yes	Yes
RUDD to ELEV Mix	Yes	Yes	Yes	Yes	Yes
Camber Mix	Yes	Yes	Yes	Yes	Yes
ELEV to Camber Mix	Yes	Yes	Yes	Yes	Yes
Camber FLAP to ELEV Mix	Yes	Yes	Yes	Yes	Yes
Snap Roll	Yes	Yes	Yes	Yes	Yes
Airbrake Mix	Yes	Yes	Yes	Yes	Yes
V Tail	Yes	Yes	Yes	Yes	Yes
Ailvator	Yes	Yes	Yes	Yes	Yes
Winglet	Yes	Yes	Yes	Yes	Yes
FLAPEROM Mix	No (use Camber Mix)	No (use Camber Mix)	No (use Camber Mix)	No (use Camber Mix)	No (use Camber Mix)
ELEVON Mix	No (use Camber Mix)	No (use Camber Mix)	No (use Camber Mix)	No (use Camber Mix)	No (use Camber Mix)
Motor Mix	Yes	Yes	Yes	Yes	Yes
Fuel Mixture	No	No	No	No	Yes
Multi Eneine	Yes	Yes	Yes	Yes	Fuel Mixture is available for twin Engine
Gyro Sense	Yes	Yes	Yes	Yes	Yes
THR Curve	Available (use AFR)	Available (use AFR)	Available (use AFR)	Available (use AFR)	Yes (5 point curve, fixed stick point)
PIT Curve	Available (use AFR)	Available (use AFR)	Available (use AFR)	Available (use AFR)	Yes (5 point curve, fixed stick point)
THR Hold	No	No	No	No	No
Balance	No	No	No	No	No

HELICOPTER	Item	T18MZ	T18SZ	T16SZ	T14SG
機種		8	8	8	6
Swash Type	(H-1, H-2, H-3, HR3, HN3, HE3, H-4, H4X)	(H-1, H-2, H-3, HR3, HN3, HE3, H-4, H4X)	(H-1, H-2, H-3, HR3, HN3, HE3, H-4, H4X)	(H-1, H-2, H-3, HR3, HN3, HE3, H-4, H4X)	(H-1, H-3, HR3, HE3, H-4, H4X)
PIT / THR Curve	Yes	Yes	Yes	Yes	Yes
PIT / THR Curve Mode	3	3	3	3	3
PIT / THR Curve Point Number	Maximum 17 points	Maximum 17 points	Maximum 17 points	Maximum 17 points	Maximum 5 points (free stick position)
Acceleration	Yes	Yes	Yes	Yes	No
Throttle Hold	Yes	Yes	Yes	Yes	Yes
Swash Mixing	Yes	Yes	Yes	Yes	Yes
Throttle Mixing	Yes	Yes	Yes	Yes	Yes
PIT to NEEDLE Mixing	Yes	Yes	Yes	Yes	No
PIT to RUD Mixing	Yes	Yes	Yes	Yes	Yes
Fuel Mixture	No	No	No	No	Yes
Gyro Sense	Yes (3 axis is available)	Yes (3 axis is available)	Yes (3 axis is available)	Yes (3 axis is available)	Yes (3 axis is available)
Governor	Yes	Yes	Yes	Yes	Yes (700 ~ 3500 rpm)
Condition Hold	Yes	Yes	Yes	Yes	No
Hovering Pitch	Yes	Yes	Yes	Yes	Yes
High / Low Pitch	Yes	Yes	Yes	Yes	Yes
Hovering Throttle	Yes	Yes	Yes	Yes	Yes
Swash AFR	Yes	Yes	Yes	Yes	Yes
	(Mixing Rate)	(Mixing Rate)	(Mixing Rate)	(Mixing Rate)	(Mixing Rate)
Swash Setting	Linkage Compensation, Speed Compensation)	Linkage Compensation, Speed Compensation)	Linkage Compensation, Speed Compensation)	Linkage Compensation, Speed Compensation)	Linkage Compensation, Speed Compensation)
Swash Ring	Yes	Yes	Yes	Yes	Yes
Throttle Limiter	Yes	Yes	Yes	Yes	Yes (included THR curve)
Balance	No	No	No	No	No

T18SZ Comparison Table

GUIDER

Item	T18M2	T18SZ	T18SZ	T14SG
Wing Type	13	13	13	11
Tail Type	3	3	3	3
Rudder Type	2	2	2	2
Flap Setting	Yes	Yes	Yes	Yes
AILE Differential	Yes	Yes	Yes	Yes
AILE to Camber FLAP Mix	Yes	Yes	Yes	Yes
AILE to Brake FLAP Mix	Yes	Yes	Yes	Yes
AILE to RUD Mix	Yes	Yes	Yes	Yes
RUDD to AILE Mix	Yes	Yes	Yes	Yes
AIRBRAKE to ELEV Mix	Yes	Yes	Yes	No
Camber Mix	Yes	Yes	Yes	Yes
ELEV to Camber Mix	Yes	Yes	Yes	Yes
Camber FLAP to ELEV Mix	Yes	Yes	Yes	Yes
Butterfly Mix	Yes	Yes	Yes	Yes
Butterfly to ELEV	Yes (ELEV rate in Butterfly Mix)	Yes (ELEV rate in Butterfly Mix)	Yes (ELEV rate in Butterfly Mix)	Yes (ELEV rate in Butterfly Mix)
Trim Mix 1	Yes	Yes	Yes	Yes
Trim Mix 2	Yes	Yes	Yes	No
V Tail	Yes	Yes	Yes	Yes
Ailvator	Yes	Yes	Yes	Yes
Winglet	Yes	Yes	Yes	Yes
FLAPEROM Mix	No (use Camber Mix)	No (use Camber Mix)	No (use Camber Mix)	No (use Camber Mix)
ELEVON Mix	No (use Camber Mix)	No (use Camber Mix)	No (use Camber Mix)	No (use Camber Mix)
Motor Mix	Yes	Yes	Yes	Yes
Balance	No	No	No	No

TELEMETRY

Item	T18M2	T18SZ	T18SZ	T14SG
Receiver Battery	Yes	Yes	Yes	Yes
Temperature Sensor	Yes	Yes	Yes	Yes
RPM Sensor (Magnetic Optic)	Yes	Yes	Yes	Yes
Altitude Sensor	Yes (with Vario)	Yes (with Vario)	Yes (with Vario)	Yes (with Vario)
GPS Sensor	Yes (included Altitude Sensor)	Yes (included Altitude Sensor)	Yes (included Altitude Sensor)	Yes (included Altitude Sensor)
Voltage Sensor	Yes	Yes	Yes	Yes
Current Sensor	Yes	Yes	Yes	Yes (R/B's product only)
Servo Sensor	Yes	Yes	Yes	Yes
ROXXY ESC	Yes	Yes	Yes	Yes
Air Speed	Yes	No	No	Yes
Kontronik ESC	Yes	Yes	Yes	Yes
Castle TLO	Yes	Yes	Yes	Yes
JetCat V10	Yes	Yes	Yes	No
PowerBox	Yes	Yes	Yes	Yes
Voice	Yes (English, German, Japanese, French)	Yes (English, German, Japanese, French)	Yes (English, German, Japanese, French)	Yes (English, German, Japanese, French)
Data Logging	Yes	Yes	Yes	Yes