

Digitrax Throttle Specification Sheet

DT500 Advanced Super Throttle with Infrared Capability



Compatibility	All LocoNet Systems
Function Control	30 (F0Fwd, F0Rev and F1-F28)
Wireless Operation	With Infrared Receiver
Turnout, Stationary Decoder Control	Yes
Soft On/Off Power Switch	Yes
Turnout Addresses	2000+
Locomotive Decoder Addresses	9,000
Decoder Programming	Yes, Tethered
Screen	Multi Line LCD
Throttle Control	Dual Encoders
Query Mode	Yes
Input Mode	Yes
2 & 4 Digit Addressing	Yes
Recall Feature	Yes
Transponding Find Feature	Yes
Flashlight	Yes
Fast Clock	Yes
Cab Signaling	Yes

Prod Date	10/12/2016	Discontinued	Current	Replaced By	Current
MSRP	US\$189.00	02/18/2021		SKU	

Mode Indicator		
Display	Mode	Used For
Fn	Function	Normal locomotive operation functions available on the keypad
Lo	Loco Selection	Locomotive Address Selection Mode
Mu	MU	Multiple unit (consist) operation set up and break up
Sw	Switch	Accessory decoder control (turnouts, etc.) or option switch control
Pw	Power	Turn track power on and off
SE	Status Edit	Change locomotive speed steps to 14, 28, or 128 as needed
PG	Programming	Paged-Digitrax preferred method
PH	Programming	Physical Register
Pd	Programming	Direct
Po	Programming	Operations Mode (Ops Mode) programming on the mainline
RE	Recall	Recall one of the last 4, 8, or 16 locomotive addresses used
Fd	Find	Find command issued for active loco, results displayed in text area
Ec	Edit clock	Edit the time shown on the fast clock
EF	Edit clock rate	Edit fast clock rate
EA	Edit alarm	Edit the alarm time set for the throttle
Er	Edit routes	Edit routes-shows when your system is running with a DCS100 with routes enabled
E1	Change LocoNet ID	Change LocoNet ID for Infrared or Radio Operation
E?	Other edit modes	Show when your system is running with a LocoNet component that is enabled for additional functionality such as signaling.
Q?	Query	Show statistics for compatible devices 0-9
In	Input	Shows changes in detection sections

DT500 Option Screen	Description	Options (Default in Bold)	My Settings
Duplex RF	On enables RF24 to operate in Duplex mode. Off turns off Duplex choice	On Off	
IR mode	On enables IR mode when disconnected and IR receiver detected on LocoNet	Off On	
Throt ID	Optional unique throttle ID	527F	
XP Slots	Enable or disabel the use of Expanded slots when available	On Off	
RPdn->20m	On enables throttle to power off after being in power save for 20 minutes	Off On	
XPFnHold	On allows multiple expanded function keys per X1 or X2 choice	On Off	
noIDLSho	Off allows "Idle" to flash in right hand loco address area when system is Idle	Off On	
Clicks	On enables clicking when making any keypad or knob changes	On Off	
Fclock	On enables Fast Clock in center display	Off On	
12HrClock	On selects 12Hr vs 24Hr clock display mode	On Off	
NoBlstic	Off enables ballstic tracking by proving ratesensitive knop steps so faster turning gives bigger step changes	Off On	
STimeout	On shortens the amoutn of time before the throttle kicks into Power Save when no changes have taken place	On Off	
F3Static	On makes F3 key On/Off action	On Off	
F2 Mom	On makes F2 key momentary action, used for playable whistle where available	On Off	
F2Analog	On enables optional F2 key pressure-sensitive analog mode	Off On	
MsgFilter	On stops throttle messages from displaying when selecting locomotives	On Off	
SLFollow	On enables slot following mode for locomotives selected in multiple throttles	On Off	
ES->Idle	On freezes all locomotives when Emerg-Stop key pressed. Off stops only locomotive selected in throttle	Off On	
PWRSaver	On enables Radio?IR mode power save on throttle inactivity	On Off	
IRRelease	On allows IR/Simplez Radio throttles to release loco addresses when unplugged	Off On	
DplxBad	On enables white flashlight LED to blink when repeted Duplex radio messages fail	On Off	
DxRxLPwr	On enables maximum Duplex power saviing, disables continuous update of slot following	On Off	

NewTypes	On allows throttle to override command station new-type loco speed step settings	On Off	
Nu Type=	128 speed step setting 14 speed step setting reserved 28 speed step setting Advanced 128 speed step setting reserved Advanced 28 speed step setting	128 14 tR1 28 128A Res 28A	
Recall#	Recall stack set at last 4 entries Recall stack set at least 8 entries Recall stack set at last 16 entries	RC04 RD08 RC16	
BackLite	Maximum backlight brightness Maximum backlight brightness-lowest power usage	MAX 2 1 MIN	
FactoryD	Select on and press enter key to force all options settings to factory defaults	On Off	

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