

Trek Transponder V4 Command Guide

(Exact command set depends on model)



Command (SMS this to Trek Transponder)	Short Version	Description of Function
batteries	bat	Returns voltage of batteries 1 to 4 depending on model from 0V to 40V with 0.01V resolution, also solar panel voltage and shore power ON/OFF status.
Solar	sol	Returns voltage of solar panel from 0V to 40V with 0.01V resolution (some models optional)
security	sec	Returns status of vessels PIR1 PIR2 ENT1 ENT2 ENT3 security sensors. If any trigger after arming the Auto Relay will close its contacts for approximately 10 minutes. Typically use for siren / blinking lights. Inputs that are available depend on Trek Transponder model. (Inputs expect normally closed contact)
Bilge	bil	Returns status of vessels bilge float switch. (SM100 two inputs). Expects normally open contact
Shore Power	ac	Returns status of 240V AC shore power to vessel. (Not all models). Use any AC/DC plug pack sensor
Fridge	fr	Returns temperature of vessels fridge in the range – 10 to 50 Deg C. (Not all models)
Seastate	ss	Returns 15 pitch and roll readings in degrees taken at 1 second intervals (S100A and SM100A models)
Status	st	Returns summary of all monitored parameters
Power Saving Commands		
leds off leds on	Loff lon	Loff or Leds off turns front panel LED's off to save power and/or make unit inconspicuous. (Lon or Leds on turns front panel LED's back on)
Position Commands		
Position	Pos	Returns latitude and longitude of vessel. (Accuracy better than 3m when settled and good sky view).
Geofence nnn		Sets home position of vessel and geofence radius of n metres. nnn can be from 1 to 999. (To set new home position after arming you must disarm then arm)
Geo?		Returns the current geofence radius setting in m
dfm		Distance from Home. After arm command returns distance in metres vessel has moved from home position
Alarm Commands		
Arm		Arms alarms. Geofence is set to default 50m unless another size was set. An SMS alert will be sent to the users mobile phone number only once and up to 5 mobile phone numbers. Arm locks out existing alarm conditions at arm time. When armed and included in scan an alert SMS will be sent for low battery, shore power off, security input triggered, fridge hot, vessel outside geofence and bilge flooded. (See skip and scan for including or excluding inputs). Security inputs triggered after arming (PIR and ENT) will cause Auto Relay to close contacts for 10 minutes.
Disarm	da	Disarms alarms and turns off Auto Relay (usually siren etc)
SMS Commands		
Anx 0nnnnnnnn		Allows up to five mobile phone numbers to be added as destinations for SMS alerts where 0nnnnnnnn is a 10 digit Australian mobile phone number and x is a memory number from 1 to 5. eg. An1 0466838137 AN2 +61431935720 etc
Anx clear		Removes an added number where x is a memory number from 1 to 5
an?		Returns the existing list of up to five phone numbers that will receive SMS alerts when alarms are armed
Locknumber Unlock		Locknumber command causes Trek Transponder to lock onto the number that issued the command and ignore SMS from other numbers to prevent accidental Trek Transponder operation by wrong numbers. Issuing unlock will open Trek Transponder to command and control from any number.
Other Commands		
Reset		SMS this command to Trek Transponder to restart unit completely. All numbers and configurations will be erased. After Trek Transponder completes restart (about 2 min) an SMS message must be sent to it so it knows what number to reply to in case of alerts and unit re-armed
r1on, r1off, r2on, r2off		Turns ON/OFF Manual Relays. Number of relays depends on model Trek Transponder. (roff turns all off)
Aron, aroff		Turns ON/OFF Auto relay. (Careful – If Autorelay is manually commanded ON the 10 minute alarm timer is disabled so if a siren is connected it won't time out)
r?		Lists status ON/OFF status of Manual Relays and Auto Relay
signal	sig	Returns the mobile phone network signal strength in "per cent" at the Trek Transponder location. (Similar to "bars" on a mobile phone)
Scan or skip bat1, bat2, bat3, bat4, pir1, pir2, ent1, ent2, ent3 bil1, bil2, fr, ac, geo		Skip removes an input from alarm scan, and scan re-includes it. ie. If you dont want to monitor shore power SMS the command skip ac If you want to re-include shore power in the scan SMS the command scan ac
Help		Returns a list of common commands Trek Transponder commands
Camera Commands		
CAM1, CAM2	c1, c2	Returns image from Camera 1 or Camera 2 by MMS. Image is 640x480 colour. (Cameras SM100 only).
Cam1 auto, cam1 manual Cam2 auto, cam2 manual		Camx auto, when set, will cause the Trek Transponder to send an image from that camera on any alarm condition occurring after arm command. (Cameras SM100 only). x is 1 or 2.

Trek Transponder is not a substitute for proper boat care and maintenance but is an aid. Specifications subject to change.
If Trek Transponder fails to reply check SIM card credit! Call its number to check it rings therefore it is ON and in range. Check locknumber isnt active.