

Better Safe Radio™

TERA TR-505-CUST Any Settings/Frequencies You Want! Custom Programming Options & Defaults

Channel/Frequency Settings

Setting	Range/Options	Default
Channels	16 VHF/UHF	
Frequency Range VHF	136.0000 - 174.0000 MHz	5 MURS
Frequency Range UHF	400.0000 - 470.0000 MHz	8 GMRS 8 GMRS RPT
RF Power VHF	Low: 2 Watts Hi: 5 Watts	Low
RF Power UHF	Low: 1 Watts Hi: 4 Watts	Hi
CTCSS Tones	67.0 - 254.1 Hz	88.5
DCS Codes	D023N - D754N D023I - D754I	-
Scanable	On/Off	On
FM Bandwidth	FM Narrow (N) Wide FM (W)	W
Busy Lock	On/Off	Off
PTT ID	On/Off	Off

Low & Mid Side Key Options

Option	Short Press	Long Press
Off	√	√
Monitor Momentary	N/A	Low
Monitor	√	N/A
Alarm	N/A	√
Battery Level	Low	√
VOX Toggle	√	√
Tx Power	√	√
Scan Mode	Mid	√
Channel Lock	N/A	Mid

CTCSS PL Quiet Tone & DCS Code Options

CTCSS PL Quiet Tones	67.0 69.3 71.9 74.4 77.0 79.7 82.5 85.4 88.5 91.5 94.8 97.4 100.0 103.5 107.2 110.9 114.8 118.8 123.0 127.3 131.8 136.5 141.3 146.2 151.4 156.7 159.8 162.2 165.5 167.9 171.3 173.8 177.3 179.9 183.5 186.2 189.9 192.8 196.6 199.5 203.5 206.5 210.7 218.1 225.7 229.1 233.6 241.8 250.3 254.1
DCS Codes	023 025 026 031 032 036 043 047 050 053 054 065 071 072 073 074 114 115 116 122 125 131 132 134 143 145 152 155 156 162 165 172 174 205 212 223 225 226 243 244 245 246 251 252 255 261 263 265 266 271 274 306 311 315 325 331 332 343 346 351 356 364 365 371 411 412 413 423 431 432 445 446 452 454 455 462 464 465 466 503 506 516 523 526 532 546 565 606 612 624 627 631 632 654 662 664 703 712 723 731 732 734 743 754 (add N for Normal or I for Inverted after code)

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Radio Feature Settings

Setting	Range/Options	Default
Environment	Quiet/Noisy	Quiet
Squelch Level	0 - 9 VHF 0 - 9 UHF	4 4
Voice/Beep	Off/Voice/Tone	Voice
Tx Time Out	Off/30s/60s...300s	90s
Rx Power Save Ratio	Off/1:2-1:5/Auto	Auto
Tx Squelch Tail	On/Off	On
Power On Voice	On/Off	On
Boot Sound	“Power On” Male “TERA” Female 3 Tone Chord	“TERA”
Side Key Long Press Time	.1 - 5s	1s
PTT ID DTMF Tx Begin	0-9, A-D 8 Char. Max.	-
PTT ID DTMF Tx End	0-9, A-D 8 Char. Max.	-
DTMF Speed	4 - 15 Digits/s	4
DTMF 1st Digit Time	0 - 1000ms	0
DTMF 1st Digit Delay	100 - 1000ms	100

VOX & Scanning Options

Setting	Range/Options	Default
VOX Mode	On/Off	Off
Whisper VOX	On/Off	On
VOX Gain	1 - 9	4
VOX Delay	0.3 - 5.0s	1.0
VOX Inhibit While Rx	On/Off	On
VOX Off Tone	On/Off	On
VOX Proceed Tone	On/Off	On
Scan Mode	On/Off	Off
Scan Type	Carrier/Time	Carrier
Scan Dropout Delay	0.1 - 10.0s	3.0
Scan Tx Dwell	0.1 - 10.0s	5.0
Scan Revert Channel	Last Called Last Used	Last Called
Priority Scan	On/Off	Off
Pri. Scan 1st Channel	1 - 15	1
Priority Scan Cycle	0.5 - 5.0	2.0
Scan Proceed Tone	On/Off	On
Scan Off Tone	On/Off	On
Scan LED	On/Off	On

Contact us with any questions or for programming recommendations/consulting.