

Easy to operate, clean design, packed with features, superb audio and full-powered!

Convenient Scan Features

DR135MKIII/FX offers the VFO/Memory/Program scans with Busy/Timed setting and Tone scan to search unknown CTCSS tone.

Variety of Selective Calling Tones

The 39-tone Tone Squelch (Enc/Dec tones separately selectable), DCS, DTMF tones featuring 10 programmable memories (Auto-Dialer) and 4 tone-burst tones, all at No extra cost.

Advanced Features

You name it, DR135MKIII/FX has it. The direct frequency input and controls of major functions through back-lit EMS57 key-pad, 3 selectable output levels, Time-Out-Timer, Auto-Power-Off and Busy-Ch.-Lockout are all standard features to support your comfortable operation, at home or on the road.

Theft Alarm

Adds an extra level of security to your mobile installation.

Ignition key on/off feature MkIII models only

Save your battery or be sure your APRS beacons have stopped. A simple connection (with optional connecting cable) is all that's needed.

Options

- EJ-41U : TNC unit
- EJ-47U : Digital-Voice modem (where available)
- ERW-4C : PC Programming interface cable
- EMS-57 : Back-Lit microphone with key pad (Standard for T version)
- EMS-53 : Plain microphone (Standard for E/FX versions)
- EDC-37 : Key ON/OFF cable
- EDC-43 : Key ON/OFF cable for Cigar-socket
- ADUA38 : Spare DC Power Cable
- ADFM78 : Spare Bracket

SPECIFICATIONS

General

	FC	CE	DR-135FX
	DR-135TMkIII	DR-135EMkIII	DR-135FX
Frequency range	TX:144~147.995MHz RX:118~135.995MHz(AM) 136~173.995MHz(FM)	TX/RX: 144~145.995MHz	TX/RX: 136~173.995MHz
Operating mode	16K0F3E (FM) 8K50F3E (Narrow-FM), F1D*, F2D*, F1E*		
Frequency resolution	5, 8, 33, 10, 12.5, 15, 20, 25, 30, 50 kHz		
Memory channel	100channels+1 call channel		
Ant. impedance	50 Ω unbalanced		
Frequency stability	±2.5ppm		±5ppm
Microphone impedance	2k Ω		
Rated voltage	13.8V DC ±15% (11.7 to 15.8V)		
Current	Ttransmit	approx. 11.0A	
	Receive	approx. 600mA(Max) 400mA(squelched)	
Operating temperature	-10 °C to 60 °C (14 - 140F)		
Ground	Negative ground		
Dimensions	142 (W) × 40 (H) × 188 (D) mm (5.58" (W) × 1.57" (H) × 6.83" (D))		
Weight	Approx. 1.0kg		

*Optional board required, DR-135MKIII models only.

Transmitter

Power output	50W(HI) 20W(MID) approx. 5W(LOW)
Modulation	Variable reactance
Spurious emission	-60dB or less
Maximum frequency deviation	±5kHz / ±2.5kHz (Narrow mode)

Receiver

Circuitry	-14dB μ or less for 12dB SINAD
Sensitivity	Double conversion superheterodyne
Intermediate frequency	1 st 21.7MHz 2 nd 450kHz
Squelch sensitivity	-65dB (Normal) -55dB (Narrow mode)
Selectivity(-6dB)	60dB
Selectivity(-60dB)	70dB
Audio output	2.0W (8 Ω, 10% THD)

Specifications subject to change without notice or obligation.
Performance specifications apply only to the amateur bands.
Permit required for MARS use.
APRS is a registered trademark of Bob Bruninga, WB4APR.
Check regulations prior to operating in F1E digital mode.

DR135MK3 series / feature comparison chart

Feature	Microphone	TX frequency	RX frequency	Freq.Stability	DATA port(DSUB9)
DR-135TMkIII	EMS-57 DTMF	USA Amateur	136-174MHz + airband in AM	+/- 2.5ppm	Standard
DR-135EMkIII	EMS-53 Plain	European Amateur	European Amateur	+/- 2.5ppm	Standard
DR-135FX	EMS-53 Plain	136-174MHz	136-174MHz (No AM RX)	+/- 5ppm	N/A

Feature	TNC/Packet operation	Digital Voice Modem	Car-key ON/OFF port	LCD brightness	DC voltage display
DR-135TMkIII	Optional EJ-41U	Optional EJ-47U	Standard	Bright/Dim	Standard
DR-135EMkIII	Optional EJ-41U	Optional EJ-47U	Standard	Bright/Dim	Standard
DR-135FX	N/A	N/A	N/A	N/A	N/A

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