

ALINCO

UHF FM MOBILE TRANSCEIVER

DR-430

VHF FM MOBILE TRANSCEIVER

DR-130



The DR-130/430 delivers power and performance in a small package that can easily be mounted in most modern cars. High power output and fantastic sensitivity make those distant repeaters seem much closer. User-friendly features with innovative state-of-the-art design make the DR-130/430 the radio of choice for demanding users.

Don't let the low price fool you — This radio is loaded. Some of the outstanding features include:

HIGH POWER

With high output power, this radio doesn't mess around when it comes time to transmit. Reach out and touch someone.

TIME OUT TIMER

Can be programmed in 30-second steps, up to 7.5 minutes. This user friendly feature will also give you a 5 seconds warning before shut off.

MORE MEMORY CHANNELS

The DR-130/430 comes standard with 20 memory channels, and can be upgraded to 100 memory channels with the optional EJ-19U! All memory channels can store independent offsets for odd-split frequencies and also store CTCSS encode/decode status.

COMMERCIAL GRADE FEATURES

Clone capability: Frequency/tone can be

programmed using the ERW-1A/ERW-3 EEPROM WRITER.

12 NEW CTCSS TONES

The DR-130/430 comes with the 50 CTCSS tones. The optional EJ-20U makes CTCSS Decode possible, for selective listening.

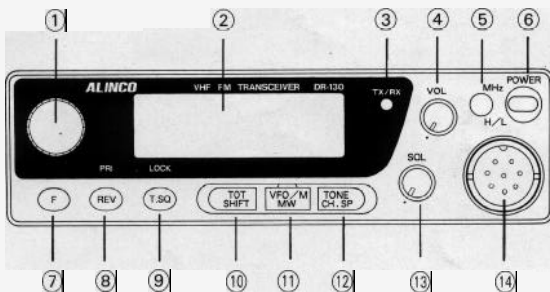
FEATURES

- Synthesized 20 **channel** capability with option to add 80 channels totalling 100 channels.
- CTCSS encoder (50 tones) comes standard. Tone decoder available as option.
- Clone** capability: Frequency/tone can be programmed using the ERW-1A EEPROM Writer.
- Built-in **Time-Out-Timer** between 30 ~ 450 seconds improves operating efficiency.
- REV** key to monitor repeater input frequency by touch of a button.
- Choice of display on LCD: **Frequency** or **Channel**
- Priority scan
- DTMF microphone** comes standard (not applicable in DR-130E/430E).
- Channel step in 5, 10, 12.5, 15, 20, or 25 kHz.
- Power changeable between HI and LOW.
- Frequency **offset can be programmed freely** from 0 to 15.995 MHz in 5kHz steps. A different repeater offset can be stored in each memory channel.
- Most functions such as repeater **offset, shift** direction, CTCSS encode/decode **can be stored in each memory** channel independently.
- CALL channel button for quick QSY to call frequency.
- Large illuminated LCD display.
- Frequency Lock function.
- TX/RX indicator
- Simple layout for maximum operating efficiency.

OPTIONS

- Additional Memories (80ch) EJ-19U
- CTCSS decoder EJ-20U
- Smarter™ Logic Board EJ-21U (for commercial models)

FRONT PANEL



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|--|--------------------------------|
| ① Main Dial | ⑨ Reverse/Priority |
| ② LCD Panel | ⑩ CTCSS/LOCK |
| ③ TX/RX Indicator | ⑪ Time-out Timer/Off-set shift |
| ④ Volume | ⑫ VFO ↔ Memory/Memory Write |
| ⑤ Freq. changer in MHz step/
Output power Hi-Lo | ⑬ CALL/Tone Burst/Channel Step |
| ⑥ Power switch | ⑭ @ Squelch |
| ⑦ Function/Monitor | @ Microphone connector |

SPECIFICATIONS

General

Frequency Coverage	TX	RX
DR-130T	144.000-148.000 MHz	136.000 ~ 174.000 MHz (US Amateur Version)
DR-130E	144.000-146.000 MHz	144.000 ~ 146.000 MHz (European Amateur Version)
DR-130EZ	144.000-146.000 MHz	144.000 ~ 146.000 MHz (World Amateur Version)
DR-130TE1	136.000-155.000 MHz	136.000 ~ 155.000 MHz (Commercial Version)
DR-130TE2	150.000-174.000 MHz	150.000 ~ 174.000 MHz (Commercial Version)
DR-430T	440.000-450.000 MHz	410.000-470.000 MHz (US Amateur Version)
DR-430E	430.000-440.000 MHz	430.000-440.000 MHz (European Amateur Version)
DR-430TE1	400.000-425.000 MHz	400.000 ~ 425.000 MHz (Commercial Version)
DR-430TE2	445.000-475.000 MHz	445.000 ~ 475.000 MHz (Commercial Version)
DR-430TE3	420.000-450.000 MHz	420.000-450.000 MHz (Commercial Version)
DR-430TE4	470.000-490.000 MHz	470.000-490.000 MHz (Commercial Version)

* Where permitted by local regulations

Tuning Step	5, 10, 12.5, 15, 20, 25 kHz steps
Memory Channels	20 channels (standard) additional 80 channels available as option
Modulation	F3E (FM)
Antenna Impedance	50Ω unbalanced
Power Supply Requirement	13.8 ± 10% V D.C.
Current Drain at 13.8V	Transmitting High: approx. 10.5A Low: approx. 3.5A Receiving Squelched: does not exceed 800mA
Dimensions	140(W) x 40(H) x 155(D) mm
Weight	approx. 0.86kg

Transmitter

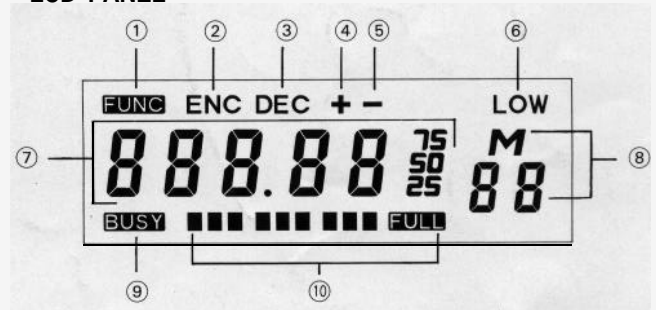
Output Power	High: 50W (Amateur VHF)/35W (UHF and Commercial VHF) Low: 5W
Modulation System	Variable Reactance Frequency Modulation
Max. Frequency Deviation	±5kHz
Spurious Emission	-60dB or under below carrier
Microphone	Electret Condenser Microphone
Frequency Offset	0- ±15.995MHz freely programmable in each channel

Receiver

Receiving System	Double-Conversion Superheterodyne
Intermediate Frequencies	1st 17.2MHz (VHF)/30.85MHz (UHF) 2nd 455kHz
Sensitivity	12dB SINAD - 14dB
Selectivity	±6kHz or under at -6dB ±15kHz or under at -80dB
Audio Power Output	more than 2.5W at 10% Dist.
Speaker Impedance	8Ω

NOTE: Specifications are subject to change without notice.

LCD PANEL



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|------------------------------|--|
| ① FUNCTION | ⑧ MEMORY CHANNEL NO.
(WHEN FREQ. IS DISPLAYED AT ⑦)
"FL" WHEN FREQ. LOCK IS ON.
"P" WHEN PRIORITY SCAN IS ON. |
| ② CTCSS ENCODE | ⑨ BUSY INDICATOR |
| ③ CTCSS DECODE (option) | ⑩ SIGNAL STRENGTH METER |
| ④ OFFSET SHIFT DIRECTION + | |
| ⑤ @ OFFSET SHIFT DIRECTION - | |
| ⑥ @ LOW POWER MODE | |
| ⑦ FREQ/CHANNEL DISPLAY | |

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