



RANGER RCI-63FFD4

400 Watt AM 10 Meter
Mobile Amateur Transceiver

*Coming Soon - January 2019
Reserve Yours Today*



The Ranger RCI-63FFD4 has the most output power in its class – an incredible 400 watts PEP. The 63FFD4 has all the features a radio operator wants in a top-of-the-line radio. Experience Ranger’s legendary quality and 30 years of engineering expertise with the RCI-63FFD4.

- **New Final Amplifier Design**
- **400 Watts PEP Output Power**
- **Variable RF Power Control**
- **6 Digit Frequency Counter**
- **New Smoke Chrome Front Panel**
- **Heavy Duty, High Power Heatsink**
- **S/RF/SWR Front Panel Meter**
- **Real Channel Selector Control**
- **SRA-198 Chrome Noise Cancelling Mic Included**
- **Variable Echo and Talk Back Controls**
- **Dimmer Switch**
- **Thru-Hole Component Circuit Boards**
- **Cool Blue LED Channel Display**
- **4pin Front Panel Mic Jack**

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RCI-63FFD4 Technical Specifications

Measurement Conditions

Power Source.....	13.8 V DC
Antenna Impedance	50 Ω
Test Temperature	25° C
AM Modulation Frequency.....	1 kHz
Mean Signal Input Level.....	1000μV
Reference AM Modulation Percentage	1 kHz 30%
Reference Audio Output Power	0.5 W
Audio Output Load	8 Ω Resistive

Transmitter

1. Frequency Tolerance @ -20 ~ 60 °C (5 Minutes after Switch on)	AM : < ± 300 Hz
2. Carrier Power (High/Low)	AM : 100 W / 10 W (± 10%)
3. PEP Power (Two Tone)	AM : 400 W (max)
4. Spurious & Harmonic Emission	AM : > -35 dB
5. Current Draw @ No Modulation.....	AM : 30 Amps
6. Modulation Frequency Response (1 kHz, 0dB reference lower at 450 Hz).....	AM : -4 / +2-8
7. Modulation Frequency Response (1 kHz, 0dB reference upper at 2.5 kHz)	AM : -4 / +2-8
8. Microphone Sensitivity (AM for 50% Modulation)	AM : < 5 mV
9. AMC Range (50 – 100%).....	AM : > 60 dB
10. Maximum Deviation Input (30mV).....	AM : 90% ±10

Receiver (ANL & NB Switch Off)

1. Sensitivity for 10 dB S/N.....	AM : < 1μV
2. AGC Figure of Merit, 50mV for 10dB Change in Audio Output.....	AM : > 70 dB
3. Audio Frequency Response (Upper Frequency 2.5kHz)	AM : -4 / +2-8
4. Audio Frequency Response (Lower Frequency 450Hz)	AM : -4 / +2-8
5. Adjacent Channel Selectivity.....	AM : > 55 dB
6. Maximum Audio Output Power	AM : > 3 W
7. Audio Output Power @ 10% THD	AM : > 2.5 W
8. RF Gain Control Range.....	AM : > 30 dB
9. S/N Ratio @ 1mV Input	AM : > 40dB
10. Squelch Sensitivity at Threshold	AM : < 1 μV
11. Squelch Sensitivity at Tight	AM : 1000 μV ±500
12. S Meter Sensitivity at S-6 (no modulation)	AM : 100 μV
13. Image Rejection Ratio	AM : > 50 dB
14. IF Rejection Ratio IST.....	AM : > 60 dB
15. Oscillator Dropout Voltage (DC).....	AM : < 10 V
16. Current Draw at No Signal.....	AM : < 250 mA
17. Current Draw at Max. Audio Output.....	AM : < 1 A

Other

1. SWR CAL (Adjust) @ 1:1	AM : 1.0 SWR
2. SWR CAL (Adjust) @ 2:1	AM : 2.0 SWR