

## ◇ General

- Frequency coverage:

USA

0.010000 ~ 821.999999 MHz\*  
 851.000000 ~ 866.999999 MHz  
 896.000000 ~ 3000.000000 MHz

France

0.135700 ~ 0.137800 MHz  
 1.810000 ~ 1.850000 MHz  
 3.500000 ~ 3.800000 MHz  
 7.000000 ~ 7.200000 MHz  
 10.100000 ~ 10.150000 MHz  
 14.000000 ~ 14.350000 MHz  
 18.068000 ~ 18.168000 MHz  
 21.000000 ~ 21.450000 MHz  
 24.890000 ~ 24.990000 MHz  
 28.000000 ~ 29.700000 MHz  
 50.000000 ~ 52.000000 MHz  
 144.000000 ~ 146.000000 MHz  
 430.000000 ~ 440.000000 MHz  
 1240.000000 ~ 1300.000000 MHz  
 2300.000000 ~ 2450.000000 MHz

Other than above

0.010000 ~ 3000.000000 MHz\*

\*Some frequency ranges are not guaranteed.

- Receiving modes:

SSB, CW, FSK, AM, FM, WFM and DIGITAL (D-STAR, P25, NXDN, dPMR and DCR)

- Number of memory channels:

2000 (in 100 groups)  
 + 400 (Scan edges: 100 (50 pairs), Auto Memory Write: 200 and Scan Skip: 100)

- Power supply requirement:

13.8 V DC (±15%)

- Grounding system:

Negative

- Operating temperature range:

-10°C to +60°C, +14°F to +140°F

- Frequency stability:

Less than ±0.5 ppm

- Antenna connectors:

|                 | [ANT1]            | [ANT2]          | [ANT3]           |
|-----------------|-------------------|-----------------|------------------|
| Frequency range | 10 kHz ~ 3000 MHz | 10 kHz ~ 30 MHz | 10 kHz ~ 30 MHz  |
| Impedance       | 50 Ω Unbalanced   | 50 Ω Unbalanced | 500 Ω Unbalanced |
| Connector       | N type            | SO-239          | RCA              |

- Frequency resolution:

1 Hz (minimum)

- Power consumption:

Standby 1.8 A

Maximum audio 2.0 A

- Dimensions (projections not included):

220 (W)×90 (H)×230 (D) mm, 8.7 (W)×3.5 (H)×9.1 (D) in

- Weight (approximately):

4.3 kg, 9.5 lb

## ◇ Receiver

- Receive system:

0.010000 ~ 29.999999 MHz Direct sampling  
 30.000000 ~ 1099.999999 MHz Double superheterodyne  
 1100.000000 ~ 3000.000000 MHz Triple superheterodyne  
 122.88 MHz

- Sampling frequency:

- Intermediate frequencies:

| Receive frequency (MHz)   | 1st IF (MHz)     | 2nd IF (MHz) | 3rd IF (MHz) |
|---------------------------|------------------|--------------|--------------|
| 0.010000 ~ 29.999999      | —                | —            | —            |
| 30.000000 ~ 499.999999    | 778.7            | 46.35        | —            |
| 500.000000 ~ 1099.999999  | 278.7            | 46.35        | —            |
| 1100.000000 ~ 1499.999999 | 900 ~ 500.000001 | 278.7        | 46.35        |
| 1500.000000 ~ 3000.000000 | 1000 ~ 500       | 278.7        | 46.35        |