



CALL 1-815-790-4494



KY104L/H

**Standard Size Portable Two-Way
“Lo-Band” VHF Radio FM Transceiver
29.7-38 MHz (L) / 38-50 MHz (H)**



KY104L/H
Standard Size Portable Two-Way
“Lo-Band” VHF Radio FM Transceiver
29.7-38 MHz (L) / 38-50 MHz (H)

FEATURES

Rugged and Reliable

16 Channels - 25 kHz switchable channel spacing

4 Watts Power

CTCSS/DCS

45mm Internal Speaker

Internal VOX - Hands-free operation with headset

2 Programmable side buttons - easy access to favorite features

TX High/Low Power - saves battery life

Scan Mode (Priority Scan) - scans channels for activity

Tight/Normal Squelch - selective muting enhances reception for appropriate range

Repeater Talkaround - Unit to unit communications bypassing the repeater

Nuisance Delete - Easy to delete an unwanted channel in Scan Mode

Low Battery Warning

Complete with Standard Rate Desktop Charger, Battery, Antenna, Belt Clip

Technical Specifications

General

- **Frequency Range:** 29.7-38(L) / 38-50(H) MHz
- **Channel Capacity:** 16
- **Power Supply:** Rechargeable battery 7.5V
- **Channel Spacing:** 25 kHz
- **Operating Temperature:** -30° C to +60° C
- **Storage Temperature:** -55° C to +85° C
- **Humidity:** 95% RH @ 8 Hr.
- **ESD:** IEC 801-2 KV
- **Water Intrusion:** IP54
- **Dimensions:** 5.20" x 2.28" x 1.5" (132 x 58 x 38 mm)
- **Weight (with NiMH high cap. battery):** 13.6 oz (380 g)
- **Average Battery Life:** (With NIMH high cap. battery, 1300mAh) 11/8 hrs Low/High power

Transmitter

- **Power Output:** 5/1 W
- **Frequency Stability:** ± 10 ppm
- **Modulation Limiting:** ± 5.0 kHz @ 25 kHz
- **Audio Distortion:** 5%
- **FM Hum & Noise:** -40 dB typical
- **FM Modulation:** 25 KHz - 16KOF3E
- **Adjacent Channel Power:** -70 dB @ 25 kHz
- **Radiated Harmonics:** -36 dBm < 1GHz, -30 dBm > 1 GHz
- **Audio Response (400-2500 kHz):** +1 to -3 dB

Receiver

- **Sensitivity (12 dB SINAD) EIA:** .30 µV
- **Sensitivity (20 dB SINAD) ETS:** .60 µV
- **Audio Distortion:** 5% typical at rated audio (400mW)
- **Hum & Noise:** -45 dB @ 25 kHz
- **Audio Power:** 500 mW
- **Adjacent Channel Selectivity:** 70 dB @ 25 kHz
- **Intermodulation EIA:** 70 dB
- **Spurious Radiation:** (FCC Part 15) -57 dBm <1 GHz, -47 dBm >1GHz
- **Spurious Response Rejection:** 70 dB
- **Audio Response (400-2500 kHz):** +1 to -3 dB



KY105

Standard Size Portable Two-Way VHF Radio
FM Transceiver (148-174 MHz)



KY105

Standard Size Portable Two-Way VHF Radio FM Transceiver (148-174 MHz)

FEATURES

Rugged and Reliable

16 Channels – 12.5/25 kHz switchable channel spacing

4 Watts Power

CTCSS/DCS

45mm Internal Speaker

Internal VOX - Hands-free operation with headset

2 Programmable side buttons - easy access to favorite features

TX High/Low Power - saves battery life

Scan Mode (Priority Scan) - scans channels for activity

Tight/Normal Squelch - selective muting enhances reception for appropriate range

Repeater Talkaround - Unit to unit communications bypassing the repeater

Nuisance Delete - Easy to delete an unwanted channel in Scan Mode

Low Battery Warning

Complete with Standard Rate Desktop Charger, Battery, Antenna, Belt Clip

Technical Specifications

General

- **Frequency Range:** 148-174 MHz
- **Channel Capacity:** 16
- **Power Supply:** Rechargeable battery 7.5V
- **Channel Spacing:** 25 kHz / 12.5 kHz
- **Operating Temperature:** -30° C to +60° C
- **Storage Temperature:** -55° C to +85° C
- **Humidity:** 95% RH @ 8 Hr.
- **ESD:** IEC 801-2 KV
- **Water Intrusion:** IP54
- **Dimensions:** 5.20" x 2.28" x 1.5" (132 x 58 x 38 mm)
- **Weight (with NiMH high cap. battery):** 13.6 oz (380 g)
- **Average Battery Life:** (With NIMH high cap. battery, 1300mAh) 11/8 hrs Low/High power

Transmitter

- **Power Output:** 5/1 W
- **Frequency Stability:** ± 2.5 ppm
- **Modulation Limiting:** ± 2.5 kHz @ 12.5 kHz, ± 5.0 kHz @ 25 kHz
- **Audio Distortion:** 5%
- **FM Hum & Noise:** -40 dB typical
- **FM Modulation:** 125 KHz - 11KOF3E, 25/30 kHz - 16KOF3E
- **Adjacent Channel Power:** -60 dB @ 12.5 kHz, -70 dB @ 25 kHz
- **Radiated Harmonics:** -36 dBm < 1GHz, -30 dBm > 1 GHz
- **Audio Response (400-2500 kHz):** +1 to -3 dB

Receiver

- **Sensitivity (12 dB SINAD) EIA:** .25 μ V
- **Sensitivity (20 dB SINAD) ETS:** .50 μ V
- **Audio Distortion:** 5% typical at rated audio (400mW)
- **Hum & Noise:** -40 dB @ 12.5 kHz, -45 dB @ 25 kHz
- **Audio Power:** 500 mW
- **Adjacent Channel Selectivity:** 60 dB @ 12.5 kHz / 70 dB @ 25 kHz
- **Intermodulation EIA:** 70 dB
- **Spurious Radiation:** (FCC Part 15) -57 dBm <1 GHz, -47 dBm >1GHz
- **Spurious Response Rejection:** 70 dB
- **Audio Response (400-2500 kHz):** +1 to -3 dB



KY405H

**Standard Size Portable Two-Way VHF Radio
FM Transceiver (450-512 MHz)**





KY405H

Standard Size Portable Two-Way VHF Radio FM Transceiver (450-512 MHz)

FEATURES

Rugged and Reliable

16 Channels – 12.5/25 kHz switchable channel spacing

4 Watts Power

CTCSS/DCS

45mm Internal Speaker

Internal VOX - Hands-free operation with headset

2 Programmable side buttons - easy access to favorite features

TX High/Low Power - saves battery life

Scan Mode (Priority Scan) - scans channels for activity

Tight/Normal Squelch - selective muting enhances reception for appropriate range

Repeater Talkaround - Unit to unit communications bypassing the repeater

Nuisance Delete - Easy to delete an unwanted channel in Scan Mode

Low Battery Warning

Complete with Standard Rate Desktop Charger, Battery, Antenna, Belt Clip

Technical Specifications

General

- **Frequency Range:** 450-512 MHz
- **Channel Capacity:** 16
- **Power Supply:** Rechargeable battery 7.5V
- **Channel Spacing:** 25 kHz / 12.5 kHz
- **Operating Temperature:** -30° C to +60° C
- **Storage Temperature:** -55° C to +85° C
- **Humidity:** 95% RH @ 8 Hr.
- **ESD:** IEC 801-2 KV
- **Water Intrusion:** IP54
- **Dimensions:** 5.20" x 2.28" x 1.5" (132 x 58 x 38 mm)
- **Weight (with NiMH high cap. battery):** 13.6 oz (380 g)
- **Average Battery Life:** (With NIMH high cap. battery, 1300mAh) 11/8 hrs Low/High power

Transmitter

- **Power Output:** 4/1 W
- **Frequency Stability:** ± 2.5 ppm
- **Modulation Limiting:** ± 2.5 kHz @ 12.5 kHz, ± 5.0 kHz @ 25 kHz
- **Audio Distortion:** 5%
- **FM Hum & Noise:** -40 dB typical
- **FM Modulation:** 125 KHz - 11KOF3E, 25 kHz - 16KOF3E
- **Adjacent Channel Power:** -60 dB @ 12.5 kHz, -70 dB @ 25 kHz
- **Radiated Harmonics:** -36 dBm < 1GHz, -30 dBm > 1 GHz
- **Audio Response (400-2500 kHz):** +1 to -3 dB

Receiver

- **Sensitivity (12 dB SINAD) EIA:** .25 μ V
- **Sensitivity (20 dB SINAD) ETS:** .50 μ V
- **Audio Distortion:** 5% typical at rated audio (400mW)
- **Hum & Noise:** -40 dB @ 12.5 kHz, -45 dB @ 25 kHz
- **Audio Power:** 500 mW
- **Adjacent Channel Selectivity:** 60 dB @ 12.5 kHz / 70 dB @ 25 kHz
- **Intermodulation EIA:** 70 dB
- **Spurious Radiation:** (FCC Part 15) -57 dBm <1 GHz, -47 dBm >1GHz
- **Spurious Response Rejection:** 70 dB
- **Audio Response (400-2500 kHz):** +1 to -3 dB

KY Series Accessories

Accessories for the KY series standard radios



**Leather Case
LC40**



**Nylon Carry Case
N3200NC**



CALL 1-815-790-4494



**Heavy Duty Speaker Mic. w/ Rt. Angle Connector
SPM-2100L**



**2-Wire Acoustic Tube Kit with Mic & Earphone
SPM-2000**

OTHER OPTIONS AVAILABLE

- Light Duty Speaker Mic
- Spare Battery (1300 mAh Ni-MH)
- Spare Standard Charger
- Rapid Desktop Charger
- Multi-Unit (6) Rapid Desktop Charger
- Spare Antenna for Lo-Band, VHF & UHF Standard Length 7"
- Stubby Antennas for UHF 3" or VHF 4"
- Programming Cable and Software