

KIRISUN

Hand-held Transceiver

The Kirisun PT4200 is a high quality 16 Channel 4 Watt UHF/VHF hand-held transceiver operating in the 146-174 MHz, 420-470 MHz and 470-512 MHz bands. In keeping with all Kirisun products it is manufactured to a high build standard, is a very rugged design and is one of the smallest professional radios available on the market today.

It is supplied complete with an 1200mAH Li-ion battery, a rapid desk charger, a belt clip and wrist strap.

The channel spacing is dealer programmable to either 25KHz or 12-5KHz.

The PT4200 is equipped with CTCSS/DQT encoder/decoder functions to prevent interference from other transceivers operating on the same frequency.

Other features include:

- **TIME-OUT TIMER:** To protect the unit from damage through over-heating and to reduce annoyance to other channel users if the unit is held on transmit continuously, the transmitter will turn off once a pre-set duration is exceeded.
- **BATTERY SAVING:** With this feature activated, if nothing is received or no transmissions have been made for 10 seconds, the PT4200 enters the battery saving mode and decreases the power consumption.
- **LOW BATTERY WARNING:** When the battery power falls below a preset level during transmission, the LED will blink red and the unit will cease transmitting until the battery is either replaced or recharged.



PT4200



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SPECIFICATION

Frequency	(147 - 174), (420 - 470), (470 - 512) MHz
Channel Capacity	16 (15+1)
Channel Spacing	25 KHz / 12.5 KHz
Temperature range	-30°C ~ +60°C
Antenna impedance	50Ω
Microphone impedance	2KΩ
Frequency stability	±2.5ppm
Battery (standard)	Li-ion DC7.4V±20% 1200mAH Battery Life: 8hrs (5-5-90 duty)
Case size (w x h x d)	55mm x 115mm x 32mm
Weight	120g (body) 235g (with battery and antenna)

Receiver

Sensitivity (12dB SINAD)	0.25μV
Operating band width	±7KHz (w) / ±3.5KHz (n)
Adjacent Channel Selectivity	More than 70dB (w) more than 60dB (n)
Intermodulation reject ratio	More than 65dB
Spurious response reject	More than 70dB
AF output power	500mW (distortion less 5%)

Transmitter

RF power (H/L)	4W
Modulation type	16K0 F3E / 8K0 F3E
Spurious & harmonics	Less than -70dB
FM noise (300~3000Hz)	Less than -40dB
Audio distortion (300~3000Hz)	Less than 5%
Maximum frequency deviation	±5KHz / ±2.5KHz

FEATURES

- **16 Channels** (15 + scan)
- **CTCSS/DCS:** built in encoder/decoder
- **PC Programmable:** frequency and various other functions can be set up by programming software
- **Low Battery Indication:** when the battery power is low, the battery indicator will flash an alert
- **Programmable Channel Spacing:** channel spacing of 12.5KHz or 25KHz is selectable using programming software
- **Channel Busy Lockout:** Transmission is prevented when the channel is busy
- **Time-Out Timer:** will shut down the transmitter after a pre-set duration to avoid damage caused by long periods of continuous transmission
- **Squelch Level:** set by PC software to prevent noise interference
- **Robust Design:** Solid, durable and water resistant structure ensures excellent performance in harsh environments
- **Auto Power Saving:** extends battery life