



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





SPECIFICATION

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|-----------------------|--|
| 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

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|------------------------------|---------------------------------------|
| 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

OPTIONAL KBC-06A UNIVERSAL RAPID CHARGER

The KBC-06A rapid charger can simultaneously charge up to six battery packs. These can be inserted in the charger attached to the radio or as separate units (as in the photograph below).

OTHER FEATURES

- ◆ Pre-charges completely discharged batteries
- ◆ Short-circuit output protection
- ◆ Over-charge protection
- ◆ Abnormal temperature protection

