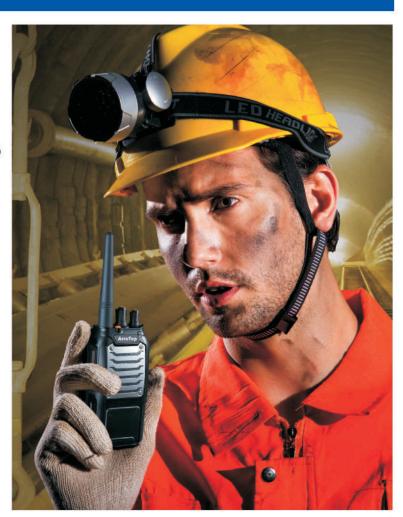# PT578
## Conventional Portable Radio

# ArroTop

## **M**ain Functions：

- CTCSS/DCS
- Patented battery locker
- Tail Tone Elimination
- 1000mw Audio Output Power
- High capacity Li-Poly Battery  (1500MAh)
- Water Proof IP65
- Compact Size
- Free Channel Scan (FCS)
- All-metal panels

**Waterproof IP65**

**EXIA and EXIB versions available**

FC CE ①

ISO9001：2008 Accredited  Designer & Manufacturer

# PT578

## Special Features：

**· CTCSS/DCS**
50 groups of standard CTCSS and 83 groups DCS are available
（PC programmable）.Built-in CTCSS/DCS Encoder/Decoder can prevent co-channel interference and unwanted conversations on the same frequency and ensure smooth communication.

**· Tail Tone Elimination**
To eliminate the tail tone improves the listening experience.

**· 5 Tone**
Built in 5 Tone signaling for Caller ID

**· Programmable keys**
Up to 3 programmble keys could be set as different functions by hold or press it.

**· Channel Scan**
The radio could continuously scan each channel in the scan list for active conversation.Simply press a preset key to activate scan.Priority scan and talk channel（revert channel）could be set too.

**· Password Protection**
The radio offers reading and writing password to protect the privacy and prevent unauthorized modification of radio data.

**· Channel Annunciation**
Channel annunciation offers convenience to users in special applications,such as working in the darkness.The annunciation could be programmed in different languages.

**· （FCS）Free Channel Scan**
Automatically looking for communication channel.

**· 16 Channels**
Up to 16 channels could be programmed for conversation,providing flexible channel assignments among different user groups.

**· Busy Channel Lockout（BCLO）**
BCLO is used to prevent the interference with the on-going conversation.If BCLO is on,the radio will be remaining in receiving status even with PTT pressed to avoid intefering with others on conversation.

**· Auto Power-Saving**
Auto power saving can prolong the talking time and stand-by time 10 seconds after no signals or operation,the auto power-saving is activated to minimize power consumption.It resumes to normal mode while receiving signals or being operated.

**· Time-out Timer（TOT）**
When TOT is on and the transmission cxceeds the preset time limit,the radio will stop after warning tone.TOT can prevent the radio from any potential damage caused by overlong transmission.

**· Wired Clone**
To quickly set the parameters on a radio,the radio data could be cloned from another radio with cloning cable,saving the time of parameter setting.

**· Programmable**
With the programming cable,the parameters on radio could be configured by programming software.

**· Squelch Level Programmable**
Squelch reduces background noise and improves sound quality. Adjustable squelch level makes the radio widely used in various environments.

**· Low Battery Alert**
When the battery power is low,the LED indicator flashes red,reminding user to recharge or replace the battery.

## SPECIFICATIONS

### General

| | |
|---|---|
| Frenquency Range | 136~174MHz  400~450MHz 420~470MHz |
| Channel Capacity | 16 |
| Channel Spacing | 12.5KHz/25KHz |
| Operating  temperature | -30℃~ + 60℃ |
| Antenna Impedance | 50Ω |
| Dimension(H × W × D) | 111mm × 52.5mm × 33.5mm |
| Weight | 270g |
| Battery | Li-poly 1500mAh |

### Transmitter

| | |
|---|---|
| RF Power | 4W/1W(UHF)   5W/1W(VHF) |
| Radiated Spurious Emission | -36dBm < 1GHz /-30dBm > 1GHz |
| FM Noise | -35dB@ 12.5KHz, -40dB@25KHz |
| Rated Audio Distortion | 5% |
| Frequency Stability | 2.5ppm |
| Modulation Limiting | ±2.5KHz@12.5KHz, ±5KHz@25KHz |

### Receiver

| | |
|---|---|
| Reference Sensitivity | 0.28μV@12.5KHz  0.25μV@25KHz typical |
| Adjacent channel Selectivity | 60dB @ 12.5KHz  70dB @ 20/25KHz |
| Intermodulation Rejection | 65 dB |
| Rated Audio Power | 1W |

## Standard Accessories

KB-56B
Li-poly Battery

KBC-70Q
Desktop charger

KTC-26（AU）
Switching power

KTC-21（UK）
Switching power

KTC-23（EU）
Switching power

KTC-25（US）
Switching power

KGS-01
Hand strap

KBJ-09
Belt clip

Antenna

## Optional Accessories

KTC-50E1（US）
Switching power

KTC-50F1（AU）
Switching power

KTC-50C1（EU）
Switching power

KTC-58D1（CN）
Switching power

KBC-06Q4
6-slot universal charger

KSPL-U9
Programming cable
（USB port）

KME-014
Earset Mic

KME-016
Earpiece Mic with transparent acoustic tube

KME-015
D-earset with boom mic

KME-214
Speaker Mic

Antenna-A

Antenna-C