

Specifications

| General Specification | |
|---------------------------------------|--|
| Frequency Range | VHF:136-174MHz UHF:400-480MHz 350-400MHz 450-520MHz |
| Channel Capacity | 32CH |
| Channel Spacing | Analog: 12.5KHz/25KHz Digital: 12.5KHz |
| Operation Temperature | -25°C~+60 °C |
| Operation Voltage | 7.5VDC |
| Antenna Impedance | 50Ω |
| Microphone Impedance | 2.2KΩ |
| Frequency Stability | ±1.5 ppm |
| Battery Capacity | Li-ion DC7.4V 2400mAh |
| Standby Time | 72 hours(2400mAh) |
| Dimension (height*width*thickness) | 118.5mm*53.8mm*31mm |
| Weight | 138.5g(radio body) / 268.4g(with battery and antenna) |

| Receiver | |
|------------------------------|---------------------------|
| Sensitivity(12dB SINAD) | 25Ks-122dBm 12.5Ks-122dBm |
| SNR | 25Ks≥45 dB 12.5Ks≥40 dB |
| Adjacent Channel Selectivity | 25Ks≥65 dB 12.5Ks≥60 dB |
| Intermodulation | 25Ks≥60 dB 12.5Ks≥55 dB |
| Spurious Response Rejection | ≥65 dB |
| Audio Output Power | ≥1000 mW |
| Sensitivity Digital | 0.18μV/BER5% |
| Rated Audio Distortion | ≤ 5% |

• All specifications are subject to change without notice due to continuous development.

| Transmitter | |
|-----------------------------|--------------------------------|
| RF Power | H: <3.5W L:1.5W |
| FM Modulation | 25K/16KΦF3E 12.5K/8KΦF3E |
| 4FSK Digital Modulation | 12.5KHz Data7K60FXD |
| | 12.5KHz Data and Voice 7K60FXW |
| Digital Vocoder Type | AMBE++or SELP |
| Digital protocol | ETS1-TS102 361-1,-2 |
| Harmonic | ≥ 70 dB |
| SNR (Signal-to-Noise Ratio) | 25Ks-45 dB 12.5Ks-40 dB |
| Rated Radio Distortion | ≤5% |
| Max.Frequency Deviation | 25Ks≤ 5 kHz 12.5Ks≤2.5 kHz |



Intrinsically Safe, Higher Performance

A530T DMR radio

 Standby time increased by 86.7%

 Volume increased by 100%

CNEX: Exib IIB T4 Gb Exib IIC T130C Db



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Dealer Area



Application



Oil & Gas



Coal transportation



Steel manufacturing



Fire rescue



Manufacturing



Industrial mining

Super Loud, Long Endurance, Short Delay, High Reliability

Super loud

With the new sound cavity and circuit design, the A530T has clear and loud voice even in noisy environment, twice as loud as the previous model A5 Series. (Data provided by ABELL Laboratory)

Long endurance

Low power consumption design, with 7.4V 2400mAh large -capacity lithium battery, standby time is up to 72 hours, 86.7% increased comparing with previous, digital 5-5-90 test battery life can be 27.4 hours, 50% improved comparing with previous, easily cope with staff who need to dispatch and command for a long time. (The data is calculated according to the general standard formula)

Short delay, quick response

The new optimized circuit design, A530T go online faster, with lower latency, and fast communication without losing words.

Dual mode (digital & analog)

Smooth transition from analog to digital.

High reliability

Full Al-alloy chassis, PC+ABS housing, equipped with a full PC1414 GE formula plastic battery shell, greatly improves the drop and pressure resistance of the radio. IP56 rate improves the rainproof performance.

Voice broadcast

Support channel and battery power level announcements, easy to know the current channel number and real-time battery level for timely charging.

TDMA 2 slots at direct mode

2 slots of 1 frequency can be used to 2 talk groups, reduce user frequency application and usage fees.

VOX (hands free)

Specific for users who are not available to push PTT key to talk, with the VOX feature user can activate the PTT by voice directly, without pressing PTT key.

Standard Accessories



Optional Accessories

