



# SMARTTALK JTS900A

## Multi-mode 4G LTE | DMR Advanced Android Radio

# Hello, Future!



The SmartTalk JTS900A is an advanced professional handheld 4G LTE radio that integrates safety and reliability in DMR communications with new value-added services. With all-round means of communication and real-time control for industry professionals, the SmartTalk JTS900A brings strong business capabilities, stable and reliable real time communication response, and excellent integration experience.



DMR



LTE

# DESCRIPTION



## M6 PORT

External PTT microphone,  
PTT earphone, 1080P camera

Camera Instant Key

## SOS

Customize function



## BUTTONS

### MULTI-FUNCTION KNOB

Power & channel / group

### ANDROID 9.0 + OS

### SMART BUTTONS

Switch between DMR and PoC

### TEXTURED PTT BUTTON

### VOLUME BUTTONS

### SMART BUTTONS

Ip65 waterproof, dustproof, and  
shock-resistant. Suitable for  
complex, harsh environments.

### MULTIPLE CONNECTIVITY

Wired connection: Type C pin port, Supports fast charging  
Wireless connection: WLAN 2.4G/5.8G, NFC, Bluetooth  
Sensor: Distance sensor, ambient light sensor, 6 axis  
electronic compass, gyroscope, acceleration sensor  
Location system: GPS, AGPS, Beidou, Glonass

### HD CAMERA

5MP Front-facing Camera  
8MP Rear Camera

### WORKING TEMPERATURE

-15° to 60°

### 4.0 CAPACITIVE TOUCH SCREEN

Gorilla glass III  
Strong resistance to scratches, impact  
and indentation  
Smart awareness and smart touch  
Wet touch and glove touch LCD  
Readable in bright sunshine / low light

## DESIGN

Intuitive, intelligent and concise  
user experience

## DESIGN

Embedded Battery No-slip  
Grip Texture

## BATTERY

Standard 4500mAh



Radio



Smart Phone



Body Camera



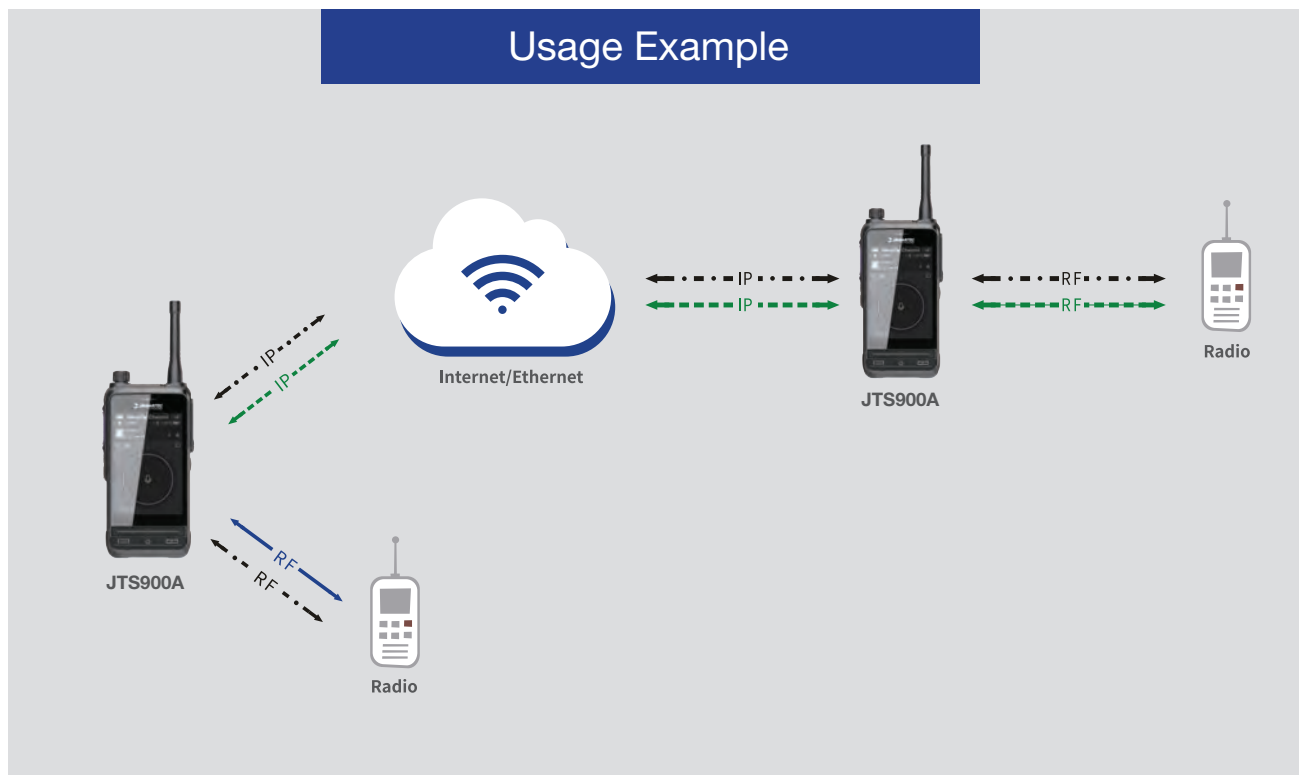
Gateway

# TECHNICAL DATA

## Radio Parameters

Frequency Band	UHF: 400-480MHz or VHF: 136-174MHz	
Channel	1000 or customize	
Channel Spacing	12.5KHz/25KHz	
Antenna impedance	50Ω characteristic impedance	
Sensitivity	Analog: -121dBm/12dB SINAD (Rated)	Digital: -117dBm/BER 1%
Adjacent Channel Selectivity	≥60dB@12.5KHz	
Transmit power	0.5W/2W(33dBm)	
Audio frequency response	300Hz - 3000Hz	
ETSI DMR	ETSI-TS102 361-1, - 2, -3 ( * )	
DMR Mode	ETSI DMR Tier II	
Waterproof	IP65, Dustproof, Shockproof	

## Usage Example



- 1 Direct radio communication
- 2 JTS900A communicating with remote Two-way radio with DMR over IP
- 3 Two-way radio to remote two-way radio using JTS900A as gateway

<b>Processor</b>	MTK6739WW, 1.5GHz
<b>Android</b>	Android 9.0+
<b>Memory</b>	2GB /16GB
<b>LCD touch</b>	Gorilla® Glass 3
<b>Lcd touch feature</b>	Web touch/ Golve touch/ Solar visibility
<b>LCD Size</b>	4.0inch,800*480 Pixels
<b>Camera</b>	8MP+ 5MP camera;Optional 13MP+8MP
<b>Flash light</b>	Highlight flash LED
<b>SIM Card</b>	Support Dual Micro Sim
<b>GSM/GPRS/EDGE</b>	850/900/1800/1900MHz
<b>GSM</b>	B2 B3 B5 B8
<b>WCDMA</b>	B1 B2 B5 B8
<b>TD-SCDMA</b>	B34 B39
<b>FDD-LTE</b>	B1 B2 B3 B4 B5 B7 B8 B12 B13 B17 B28A B28B
<b>TDD-LTE</b>	B38 B39 B40 B41
<b>Bluetooth</b>	Bluetooth 4.2
<b>NFC</b>	Support or Optional
<b>Battery capacity</b>	4500 mAh
<b>Wi-Fi (WLAN)</b>	2.4G IEEE802.11n (1T1R); 5.8G IEEE802.11ac (1T1R)
<b>GPS navigation</b>	GPS/AGPS/GLONASS
<b>Sensor</b>	Acceleration, Proximity Sensor, Light Sensor, Gyro Sensor, Compass Sensor
<b>External Port</b>	Motorola M6
<b>Operating Temperature</b>	-15°C to 60°C
<b>Storage Temperature</b>	-40°C to 80°C
<b>Humidity</b>	20 to 90%
<b>USB type</b>	USB2.0, Type C USB Port
<b>External Accessories</b>	Support Remote micro speaker, Earbud, Body camera
<b>Dimension</b>	69mm*143mm*26mm
<b>Terminal weight</b>	375G
<b>With Standard Package Weight</b>	800G
<b>Package</b>	20pcs/Carton
<b>Standard Accessories</b>	Type C USB cable, Charger, Back Clip, Antenna, Antenna Hat
<b>Certification</b>	CE ,FCC, ROHS, MSDS, UN38.3