



Professional DMR
Portable Two-way Radio



HP5 Series

PRODUCT POSITIONING

HP5 is cost-effective, compatible with various systems, and as good as project-based radios regarding basic performance.

HP56X



HP50X

CHANNEL SALES

Basic

- 0.18 μ V sensitivity
- 2-watt speaker
- AI-based noise cancellation
- IP67

Advanced

- XPT (single site)
- Basic encryption

HP68X



HP60X

PROJECT-BASED

- 0.18 μ V sensitivity
- 2-watt speaker
- AI-based noise cancellation
- IP67

- XPT (multiple sites)
- Advanced encryption

HP78X



HP70X

PROJECT-BASED

- 0.18 μ V sensitivity
- 2-watt speaker
- AI-based noise cancellation
- IP68

- Digital trunking
- XPT (multiple sites)
- Advanced encryption
- Hardware encryption

*External version needs to delete XPT system

< Hospital >

- Provide instant communication services for security guard, cleaner, and more.
- Enhance communication through IP multi-site connect or XPT.
- Switch between frequently-used channels.
- Make operations easier with dual knobs.

< High-end Office Building >

- Provide instant communication services for property manager, engineer, security guard, cleaner, and more.
- Ensure whole-building communication by connecting the radio to the repeater.
- Enable the security guard to patrol every 1-2 hours.
- Switch between 5 groups of channels.
- Make operations easier with dual knobs.
- Charge the radio through the USB Type-C port anytime.
- Connect to earpieces when silent environment is needed.

APPLICATION SCENARIOS

< Industrial Park >

- Provide instant communication services for security guard, operator, and more.
- Ensure whole-park communication by connecting the radio to the repeater.
- Provide patrol and location services in a large park.
- Deliver loud and clear audios even in highly noisy environments.
- Withstand sudden shock or drop.

< School >

- Provide instant communication services for security guard, cleaner, and more.
- Enhance communication through IP multi-site connect or XPT.
- Deliver loud and clear audios even when it is noisy after class or school.
- Quickly report location information during patrol or in emergencies.
- Switch between frequently-used channels.
- Make operations easier with dual knobs.

COMPETITIVE EDGE



HP50X

HP56X

- UHF: 400–470 MHz
- VHF: 136–174 MHz

Compare with prior generation

Performance as good as high-end radios

0.18 μ V sensitivity. Up to 95 dB loudness. 30 dB noise cancellation. IP67.

New features

Either BT or GPS.

Enhancement

Color screen. Type-C. Programmable keys.

Compare with other brands

Industry-leading performance

Communication distance. Anti-interference. Loudness. Audio clarity.

Customer-friendly design

Color screen. Type-C charging. Connection to BT earpiece.

Programming through mobile app. GPS.

CRISP, CLEAR AUDIO

Powerful Speaker

Loudness up to **95** dB

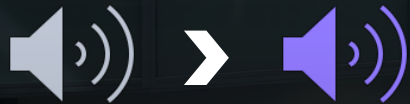
AI-based Noise Cancellation

Noise cancellation up to **30** dB

Automatic Gain Control

Automatically increase or decrease microphone gain to ensure consistently loud and clear audio output, regardless of how softly or loudly you are talking into the microphone.

The speaking party's mouth is **5-30** cm away from the microphone, and the receiving party hears no obvious difference in sound.



Disable Noise
Cancellation

Enable Noise
Cancellation



Sensitivity increased by

2 dBm



Sensitivity Comparison

HP50X/HP56X	HP7 Series	HP6Series	Previous generation 5 series
0.18 μ V (122 dBm) 0.16 μ V (Typical)			0.22 μ V (120 dBm)

The sensitivity is the same as that of high-end industry radio



BREAK THROUGH THE DISTANCE

Reliable communication even at the far edge of coverage with weak signal

RUGGED RELIABILITY



1.5-meter Drop

MIL-STD 810G



IP67

Non-slip Design

- Flame-retardant polycarbonate plastic
- Worm finish texture on the housing
- Striped texture on the back of the battery

Plastic Rubber Keys

- Being tested over 400,000 presses
- 10,000 times alcohol wipe test

PURPOSE-BUILT DESIGN

Dedicated Dual Knobs

Switch the channel or adjust the volume more easily and quickly.



Enlarged LED Indicator

Know radio status at a glance, whether the radio is in your hand, on your shoulder or waist.

Detachable Belt Clip



Easy to install and remove without requiring any tool

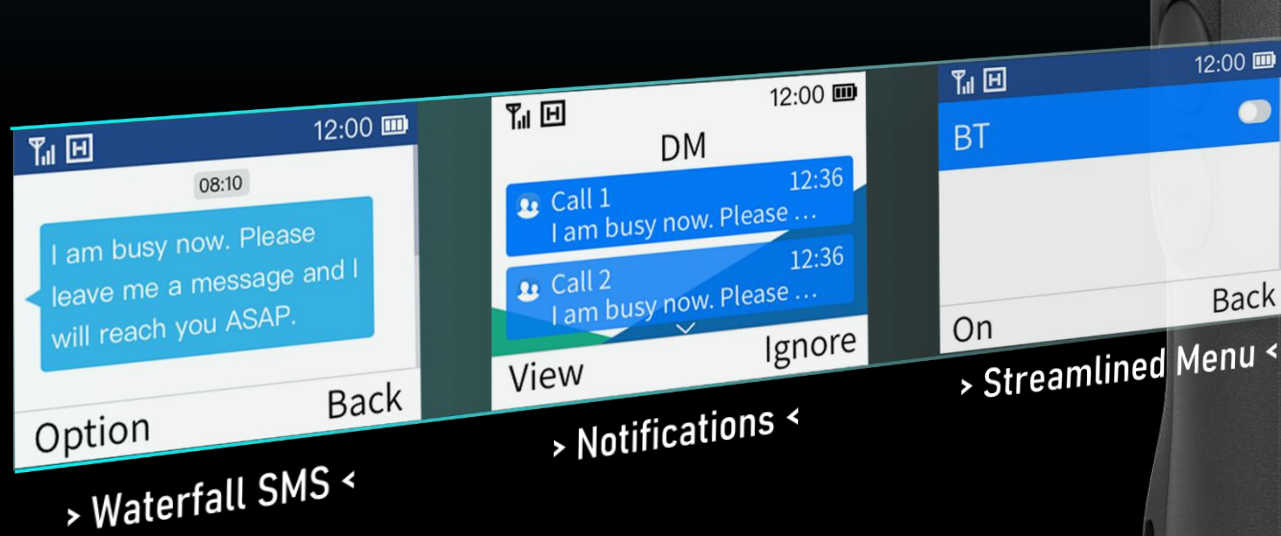
Programming. Charging. Upgrading.

Universal Type-C Port

MORE NATURAL INTERACTION

Intuitive UI

You know it when you see it.
Less steps, more efficient.



Voice Broadcast

Know radio status by your ears, when you change the channel, select the contact, enable or disable the feature, and more.



OUTLAST YOUR WORK



15 HOURS

Li-Ion Battery (5:5:90)



10 W Type-C fast charging

100% charge in **1.8** hours

1-hour charging can work for **10** hours(5:5:90)



Charging with charger

100% charge in **2.5** hours

MORE FREEDOM



BT Earpiece

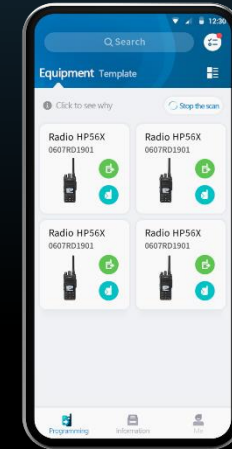


BT Programming

Progress



MORE MOBILITY



HyTool Radio Manager

(Coming soon)

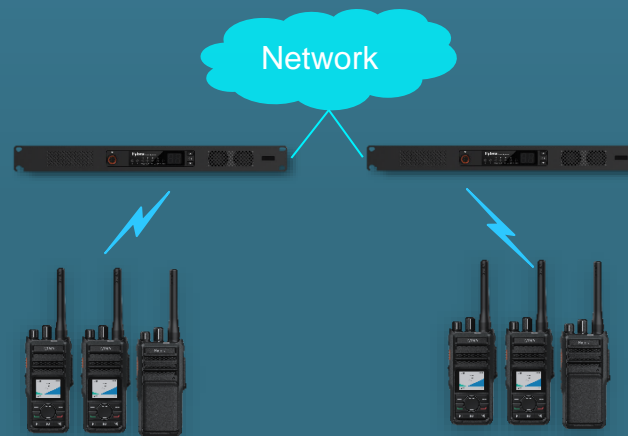
BT, WIRELESSLY, CONVENIENTLY

MORE CONNECTIONS. MORE SERVICES.

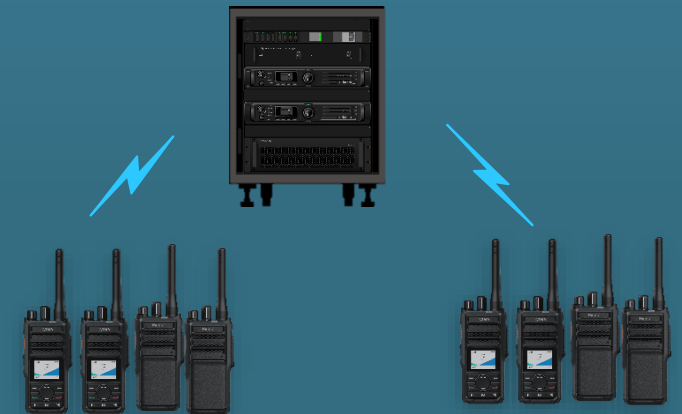
Repeater



IP multi-site connect system



XPT system



*External version needs to delete XPT system

COMPATIBLE ACCESSORIES TO PROTECT INVESTMENT

Antenna: shared with HP6 series, and previous-generation 5 series and 7 series

STANDARD



>Antenna (9cm, 15cm) <



> Charger <



>Power Adapter<



>Battery (1500mAh)<



> Quick Assemble Belt Clip<



>Strap<

Audio accessories, frequency writing cables, chargers, and adapters: shared with HP series

OPTIONAL



> Smart Remote Speaker Microphone <



> Smart Earpiece with Transparent Acoustic Tube <



> Thick Battery (In development) <



> BT Earpiece <



> Ring PTT <



> Programming Cable <

HP565



HP505



HYTERA VS HYTERA

	HP50X/HP56X	PREVIOUS GENERATION 5 SERIES
Frequency Range	<ul style="list-style-type: none"> • UHF: 400-470 MHz • VHF: 136-174 MHz 	<ul style="list-style-type: none"> • UHF: 400-470 MHz • VHF: 136-174 MHz
Dimensions <small>(H x W x D)</small>	119 mm x 55 mm x 30.5 mm	<ul style="list-style-type: none"> • Without Display: 115 mm x 54 mm x 27 mm • With Display: 115 mm x 54 mm x 30 mm
Weight <small>(with antenna and battery)</small>	<ul style="list-style-type: none"> • HP50X: 265 g • HP56X: 270 g 	<ul style="list-style-type: none"> • Without Display: 260 g • With Display: 280 g
Display	NA/1.45" LCD Color Screen, 6-Line text	NA/0.9" LCD Black and White Screen, 3-Line text
IP Rating	IP67	IP54
Battery Capacity <small>(standard/optional)</small>	1,500 mAh / Thick battery in development	1,500 mAh / 2,000 mAh
Roam	Optional	Optional
GPS	Optional only when no BT	/
BT	BT 5.2, optional only when no GPS	/
Type-C Port	Available	/
Sensitivity	0.18 μ V	0.22 μ V
XPT Pseudo Trunking*	Single site, optional	Single site, optional

*External version needs to delete XPT system

Hytera 

