Hytera

Business Two-way Radio S1 Pro/S1 Pro LF

Function Meets Fashion

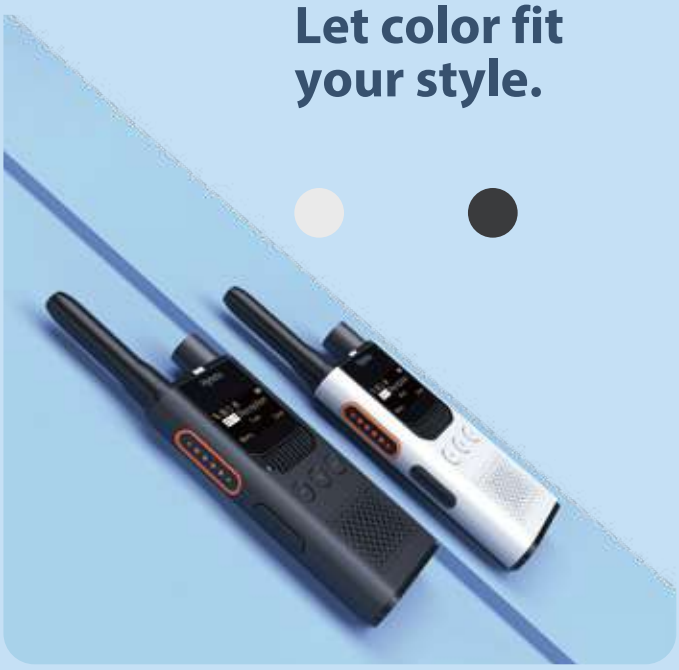
www.hytera-europe.com

Introduction

Hytera S1 Pro/S1 Pro LF is an exquisite business-ready digital radio for luxury hotel, golf course, club, and more high-end businesses. Sleek and light, the radio strikes the perfect balance between elegance and performance, ready for you to instantly connect your team at the push of a button. Getting the best of two worlds—digital and analog, the S1 Pro/S1 Pro LF levels up your communication experience with a basket of innovative features, including noise cancellation, private call, whisper mode, and voice notification. It gives your business the competitive edge at all time.

Antenna
(replaceable)
On-Off Key
LED Indicator
OLED Screen
OK/Menu Key
(programmable)
Navigation Key
(programmable)
Back/Channel Key
(programmable)
Hytera
Z1-1 Reception
Alice
Menu
Zone
360° Multifunctional Knob
Strap Hole
Belt Clip
PTT Key
Audio Jack (3.5 mm)
Volume Key
Battery

Let color fit your style.



360° metal knob.

Key information at a glimpse.

Inspired by the classic Doric column.

Reliable Communication.

As a digital radio, S1 Pro/S1 Pro LF provides reliable, seamless communications in multi-storey buildings with loud and clear audios to improve team coordination and collaboration in the workplace, thanks to know-how from Hytera RF&Antenna Lab, Hytera Audio Lab, Hytera UX Lab, and 30-year extensive experiences in professional communications.

Tune in voice. Tune out noise.

Filter out up to 30 dB of noise thanks to the professional AI-based noise cancellation.
Your focus is protected.
Your productivity improved.

A quiet solution—whisper mode.

Whisper on a call and still be heard clearly on the other end.
Protect your privacy, without disturbing peace of customers around you.

Password is passport.

Only those with the same password can join the group call. Protect the conversation against interference from neighboring groups.

Hytera Radio app, high-efficient.

Manage your radio with a phone, at your fingertips. Perform BT-enabled programming, batch configuration, frequency information backup, and then some.

AirClone, simple and fast.

You can clone configuration data from one S1 Pro/S1 Pro LF to many. All done in a flash.

Download APP Now

Outlast your shift.

16 hrs
working time

With a battery life of up to 16 hours (5/5/90 duty cycle), your focus remains on the job, not the clock.

Fast charging to refuel quickly.

8-pocket charger, charge your batteries alone or attached on the radios in batches, easily and quickly. Say goodbye to cable chaos.

Replaceable battery
Swap a spare battery for extra-long shifts

Uncompromised communication.

Use 9 cm antenna of S1 Pro for greater range.
Communicate smoothly even when you are much far away from your team.

Hear it, get it.

Always give you voice notications about channel number, battery level, conguration data, and more.
Get key information without any glance.

"Connected"

"Custom channel"

"Battery low"

Application Scenarios

Hotel

Golf Club

Mall

Speciÿcations

General	
Model	HYT-S35/HYT-S35 LF
Frequency Range	400-470 MHz (Main Unit)/446 MHz
Channel Capacity	256
Zone Capacity	6 (Digital+Analog)
Channel Capacity per Zone	88 (400-470 MHz)/16 (446 MHz)
Channel Spacing	12.5kHz/20kHz/25kHz
Operating Voltage	3.8 V (Rated)
Battery	2200mAh Li-Polymer
Battery Life (5/5/90 Duty Cycle, TX Power)*	Digital: 16 hrs (3W), 17 hrs (2W), 18 hrs (1W), 19 hrs (0.5W)
Frequency Stability	±0.5ppm
Antenna Impedance	50Ω
Dimensions (HxWxD)	108*53*20mm (without antenna)
Weight (With battery and antenna)	145g (with belt clip) 135g (without belt clip)
Display	1.3 inch OLED
BT	BLE (only data) 5.0

Receiver	
Sensitivity	Analog: 0.18μV (12dB SINAD) Digital: 0.18μV
Adjacent Channel Selectivity	ETSI: 60dB@12.5kHz / 70dB@20/25kHz
Intermodulation	ETSI: 65dB@12.5/20/25kHz
Spurious Response Rejection	ETSI: 70dB@12.5/20/25kHz
Blocking	ETSI: 84dB
Hum&Noise	40dB@12.5kHz; 43dB@20kHz; 45dB@25kHz
Rated Audio Power Output	0.5W
Rated Audio Distortion	⩽5%
Audio Response	+1 to -3dB
Conducted Spurious Emission	<-57dBm

Transmitter	
Power Output	400-470 MHz: 1W/2W/3W(low/medium/high) 446 MHz: 0.5W
FM Modulation	11K0F3E@12.5kHz 14K0F3E@20kHz 16K0F3E@25kHz
4FSK Digital Modulation	12.5kHz (only data): 7K60FXD 12.5kHz (V+D): 7K60FXW
Conducted/Radiated Emission	-36dBm＜1GHz;-30dBm＞1GHz
Modulation Limiting	±2.5kHz@12.5kHz; ±4.0kHz@20kHz; ±5.0kHz@25kHz
FM Hum&Noise	40dB@12.5kHz; 43dB@20kHz; 45dB@25kHz
Adjacent Channel Power	60dB@12.5kHz; 70dB@20/25kHz
Audio Response	+1 to -3dB
Audio Distortion	⩽3%

* Data comes from Hytera labs. Actual battery life will vary.

Environment	
Operating Temperature	-10°C~ +55°C
Storage Temperature	-30°C ~ +70°C
ESD	±4kV (Contact) ±8kV (Air)

Accessories

● Standard ● Optional

● Antenna (400-440/430-470 MHz)

● Battery

● Belt clip

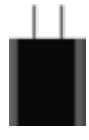
● Strap

● Antenna (9cm, 400-470 MHz)

● USB Type-C cable

● Multi-unit charger

● Earpiece



● Adapter

Hytera

30th 1993-2023

Stay True to Our Mission

30 years of radio communications, beyond.

1993
Shenzhen HYT Technology Co., Ltd. (as Hytera was formerly known) established in Shenzhen

1995
Launched the first self-developed commercial radio
— **C160**

2004
Launched the first radio with Chinese operating system
— **TC3600**

2010
Officially renamed as Hytera

2010
Launched the world's first PDT radio all over the world
— **PD78X**

2016
Launched the world's first ia intrinsically safe radio all over the world
— **PT79X Ex**

2017
Launched the world's first dual-mode radio all over the world
— **PDC760 (DMR&LTE)**

2022
Launched the world's first 5G XSecure Rugged Device all over the world
— **PNC560**

2023

Hytera serves 20 million users for public safety, firefighting, railway, airports, factories, hotels, supermarkets, and more industries home and abroad.

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