



Analogue radios

Handheld and mobile radios from Hytera

Hytera's HYT radios for licence-free and licensed analogue communication offer every user a high level of added value. Their robust, compact construction, their useful functionality and their high reliability ensure trouble-free communication, irrespective of whether for professional, personal or leisure use.

Whether it's communication across a construction site, office facility, or perhaps a restaurant and hotel, with HYT analogue radios from Hytera, you can increase the productivity and efficiency of your staff.

HYT
Two-way Radio

Radio

TC-610

Analogue handheld radio

Working and communicating in harsh, noisy, dusty environments can be difficult, and can result in reduced productivity.

The handheld TC-610 radio is specifically designed for difficult working environments, delivering reliable, clear communications.



Highlights

Dust and water proof

With IP66 rating offering protection against dust and water ingress, the TC-610 is ideal for use outdoors.

Clear communications

Superior audio quality is the premise for your team to work efficiently in noisy environments. The TC-610 offers a powerful loudspeaker, ensuring crystal clear sound.

Reliable mechanical design

The TC-610 is equipped with the HYT battery latch to securely connect the battery and radio, even during extended usage.

High/low power switchable

The user can change to low or high transmitting power at the press of a button to save the battery or to cover a larger communication distance.

Battery saver

The battery save feature is automatically activated if there is no activity on the channel and no operation is performed after a set time.

Low battery alert

If the battery level is running low, the radio will alert the user to recharge the battery.

CTCSS/CDCSS

Set up workgroups/users with unique CDCSS/CTCSS to prevent unwanted conversations on the same frequency.

Programmable via PC

You are able to customize the features of each radio for each user.

Wired clone

Easily copy the features of one radio to another to save time.



Technical Data

General data	
Frequency range	VHF: 136 – 174 MHz UHF: 440 – 470 MHz
Channel capacity	16
Channel spacing	12.5 / 25 kHz or 20 / 25 kHz
Operating voltage	7.4 V
Standard battery	1200 mAh (lithium-ion battery)
Battery service life (5-5-90 duty cycle)	Approx. 9 hours
Frequency stability	± 2.5 ppm
Operating temperature range	-20 °C to +55 °C
Antenna impedance	50 Ω
Dimensions (H × W × D)	119 × 55 × 33 mm (with standard battery, without antenna)
Weight	270 g (with antenna and standard battery)
Shock and vibration resistance	MIL-STD -810 C/D/E/F
Dust and water protection	IP66

Transmitter	
Transmitting power	VHF: 2/5 W UHF: 2/5 W
Modulation	F3E
Interfering signals and harmonics	-36 dBm (< 1 GHz) -30 dBm (> 1 GHz)
Hum and noise	40/35 dB
Nominal audio distortion	≤ 5 %

Receiver	
Sensitivity	0.25 / 0.28 μV
Adjacent channel selectivity	≥ 60 / 70 dB
Intermodulation	≥ 65 dB
Spurious response rejection	≥ 70 dB
Hum and noise	40 / 45 dB
Nominal audio power output	800 mW
Nominal audio distortion	≤ 5 %

All technical information was determined at the factory and in accordance with the corresponding standards. Subject to change on the basis of continuous development.

In the box

Lithium-ion battery (1200 mAh) BL1204	Belt clip BC12	Charger CH10A03
Wrist strap RO03	Switching power adapter for charger PS1044	Antenna

Optional accessories

Carrying bag with belt strap NCN001	Lithium-ion battery (2000 mAh) BL2001	Programming cable (USB) PC26
Remote speaker microphone (IP55) SM13M1	Concealed headset EAM12	Earbuds with D-piece and microphone EHM15

The illustrations are for reference purposes only. The products might differ from these illustrations.



Your Hytera partner:



Further information can be found at:

www.hytera.co.uk

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Encryption features are optional and have to be configured separately. They are also subject to European export regulations.

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