



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-320

PMR446 handheld radio

The analogue handheld radio TC-320 PMR446 is a licence-free radio that offers a number of features for an attractive price.

The TC-320 PMR446 excels through its compact, first-class ergonomic design. TC-320 PMR446 users also benefit from the extraordinary sound quality and impact resistance to protect against bumps and knocks.



Highlights

Licence-free two-way radio

The TC-320 is a PMR446 radio and can therefore be used straight out of the box without the need to acquire a radio licence.

Compact and rugged chassis

The radio is strong enough to withstand a fall from a height of 1.5 m.

Double injection moulding and intelligent design

Due to the combination of the double injection molding process during manufacturing and the anti-slip surface coating, the TC-320 is convenient to grab and operate.

Charging and programming via mini USB interface

The TC-320 can be charged directly via its mini USB interface and programmed with the help of the programming software and a programming cable from a Hytera partner.

Functions

- Scrambler
- Monitor function
- CTCSS/CDCSS and hum and noise
- VOX
- Channel scan
- Energy saving mode
- Warning tone for low battery charge state
- Busy channel lockout
- Time-out timer (TOT)
- Programmable via PC (mini USB interface)
- Line connected cloning function for transferring settings to another two-way radio
- Programmable squelch level



Technical Data

General data	
Frequency range	446.00625 MHz to 446.09375 MHz
Channel capacity	16
Channel spacing	12.5 kHz
Operating voltage	3.8 V
Standard battery	1700mAh (lithium-ion battery)
Battery service life (5-5-90 duty cycle)	approx. 10 hours
Frequency stability	± 2.5 ppm
Operating temperature range	-20 °C to +55 °C
Dimensions (H × W × D) (with standard battery, without antenna)	100 mm × 48 mm × 27 mm
Weight (with standard battery)	135 g

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

Transmitter	
Transmitting power	0.5 W
Modulation	8 K0F3E
Interfering signals and harmonics	≤ -36 dBm
Hum and noise	≤ -34 dB
Nominal audio distortion	≤ 5 %

Receiver	
Sensitivity	≤ 0.282 μV
Adjacent channel selectivity	≥ 55 dB
Intermodulation	≥ 55 dB
Spurious response rejection	≥ 60 dB
Hum and noise	≥ 34 dB
Nominal audio power output	400 mW
Nominal audio distortion	≤ 5 % (400 mW)

In the box



Lithium-ion battery (1700 mAh) BL1715



Power adapter with mini USB port PS1059



Belt clip BC16



Wrist strap RO01

Optional accessories



Carrying bag (PU) with belt strap PCN003



Quick charger CH05L01



Earbuds with earpiece, microphone EHS12



Earbuds with earpiece, microphone (VOX or PTT) EHS09



Programming cable (USB) PC30

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

Radio

TC-446S

PMR446 handheld radio

The TC-446S licence-free radio combines modern analogue technologies with user-friendly design to boost your productivity.

Thanks to its compact form and light weight, this robust two-way radio is ideally suited for use in facility management, catering and hospitality, production and manufacturing, retail, education and construction.



Highlights

Licence-free two-way radio

The TC-446S is a PMR446 radio and can therefore be used straight out of the box without the need to acquire a radio licence.

Longer battery life and energy-saving functions

With a standard battery the TC-446S achieves a battery life that can easily outlast a shift, whilst the optional high capacity battery can last up to 24 hours from a single charge, on a duty cycle of 5-5-90. The programmable energy-saving function activates itself if the two-way radio has not been used for 10 seconds.

CTCSS/CDCSS signaling

38 different CTCSS and 61 different CDCSS sub-audio tones deliver a quick and user-friendly direct call, group call and remote control.

Time-out timer

The TC-446S features a time-out timer to avoid inadvertent continuous operation.

Functions

- Monitor function
- CTCSS/CDCSS and hum and noise
- VOX
- Channel scan
- Energy saving mode
- Warning tone for low battery charge state
- Busy channel lockout
- Time-out timer (TOT)
- Programmable via PC
- Line-connected "cloning" function for transferring settings to another two-way radio
- Selectable squelch levels



Technical Data

General data	
Frequency range	446.00625 MHz to 446.09375 MHz
Channel capacity	16
Channel spacing	12.5 kHz
Operating voltage	7.4 V
Standard battery	1300 mAh (lithium-ion battery)
Frequency stability	± 2.5 ppm
Operating temperature range	-25 °C to +60 °C
Dimensions (H × W × D) (with standard battery, without antenna)	113 × 54 × 35 mm
Weight (with antenna and standard battery)	270 g
Shock and vibration resistance	MIL-STD -810 C/D/E/F
Dust and water protection	IP54

Transmitter	
Transmitting power	0.5 W
Modulation	8 K0F3E
Interfering signals and harmonics	≤ -36 dBm (< 1 GHz) ≤ -30 dBm (> 1 GHz)
Hum and noise	≤ -38 dB
Nominal audio distortion	≤ 5 %

Receiver	
Sensitivity	≤ 0.282 μV
Adjacent channel selectivity	≥ 60 dB
Intermodulation	≥ 60 dB
Spurious response rejection	≥ 70 dB
Hum and noise	≥ 40 dB
Nominal audio power output	800 mW
Nominal audio distortion	≤ 5 % (800 mW)

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 1300 mAh BL1301	Belt clip BC12	Charger CH10L19
Wrist strap RO03	Switching power adapter for charger PS1044	

Optional accessories

Carrying bag with belt strap NCN001	Lithium-ion battery (1650mAh) BL1719	Programming cable (USB) PC26
Remote speaker microphone (IP55) SM08M3	Concealed headset EAM12	Earbuds with D-piece and microphone EHM15

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Radio

Power446

PMR446 handheld radio

The POWER446 is an easy to operate, licence-free two-way radio that excels through its clear voice clarity and long battery life.

Thanks to the robust design with IP66 protection against water and dust, you can concentrate on your task and have confidence in the Power446 wherever you take it.



Highlights

Licence-free two-way radio

The Power446 is a PMR446 radio and can therefore be used straight out of the box, without the need to acquire a radio licence.

Dust and waterproof

With IP66 rating offering protection against dust and water ingress, the Power446 is ideal for use outdoors.

Longer battery life

The high capacity 2000-mAh battery can last up to 25 hours on a single charge with a duty cycle of 5-5-90.

Improved audio quality

HYT voice management technology combined with an optimised loudspeaker ensures a clear sound is delivered to the user at all times.

Functions

- Monitor function
- CTCSS/CDCSS and hum and noise
- VOX
- Channel scan
- Energy saving mode
- Warning tone for low battery charge state
- Busy channel lockout
- Time-out timer (TOT)
- Programmable via PC
- Line-connected "cloning" function for transferring settings to another two two-way radio
- Selectable squelch levels



Technical Data

General data	
Frequency range	446.00625 to 446.09375 MHz
Channel capacity	16
Channel spacing	12.5 kHz
Operating voltage	7.4 VDC
Standard battery	2000mAh (lithium-ion battery)
Battery service life (5-5-90 duty cycle)	approx. 25 hours
Frequency stability	± 2.5 ppm
Operating temperature range	-25 °C to +60 °C
Dimensions (H×W×D) (with standard battery, without antenna)	119 × 55 × 36 mm
Weight (with antenna and standard battery)	282 g
Shock and vibration resistance	acc. to MIL-STD-810 C/D/E/F
Dust and water protection	Degree of protection IP66

Transmitter	
Transmitting power	≤ 0.5 W
Modulation	11 K0F3E
Interfering signals and harmonics	-36 dBm (at < 1 GHz) -30 dBm (at > 1 GHz)
Modulation limiting	≥ 2.5 kHz
Nominal audio distortion	≤ 5 %

Receiver	
Sensitivity	≤ -118 dBm
Adjacent channel selectivity	≥ 60 dB
Intermodulation	≥ 60 dB
Spurious response rejection	≥ 70 dB
Hum and noise	≥ 40 dB
Nominal audio power output	800 mW
Nominal audio distortion	≤ 5 % (800 mW)

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 (2000 mAh) BL2001	Belt clip BC12	Charger CH10A03
Wrist strap RO03	Switching power adapter for charger PS1044	

Optional accessories

Carrying bag with belt strap NCN001	Battery optimizing system MCA05-A3	Programming cable (USB) PC26
Remote speaker microphone (IP55) SM13M1	Concealed headset EAM12	Earbuds with D-piece and microphone EHM15

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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

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Radio

TC-610P

Analogue handheld radio

Extreme working conditions in a loud and dusty environment, such as on large construction sites, can reduce performance and productivity if your two-way radio is easily damaged and call-quality impaired.

Thanks to its robust housing and IP66 protection, the TC610P remains by your side, shift after shift, even in harsh environments.



Highlights

Dust and waterproof

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

Robust chassis

The TC-610P is manufactured using a double injection moulding process. Thanks to this technique, the handheld radio is robust, durable and sits well in the hand.

Clear communication

A powerful loudspeaker and state-of-the-art noise processing technology delivers excellent sound quality, even in loud environments.

Large range

The high transmitting power of 5 watt in the UHF range allows high ranges, even over large construction sites and long distances.

Programmable channel spacing 12.5 kHz / 25 kHz

This feature provides a high degree of flexibility and straightforward adaptation to changing requirements in relation to the channel spacing, without the need to buy new radios.

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 distance.

Functions

- Monitor function
- CTCSS/CDCSS and noise cancellation
- VOX
- Channel scan
- Energy saving mode
- Warning tone for low battery charge state
- Busy channel lockout
- Time-out timer (TOT)
- Programmable via PC
- Line-connected "cloning" function for transferring settings to another two-way radio
- Selectable squelch levels
- Vibration alarm
- Flat head pin socket for audio accessories



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) (with standard battery, without antenna)	119 × 55 × 33 mm
Weight	275 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	16 K0F3E / 8 K0F3E
Interfering signals and harmonics	-36 dBm (< 1 GHz) -30 dBm (> 1 GHz)
Hum and noise	35 / 40 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) PC25
Loudspeaker microphone (IP55) SM13N5	Concealed headset EAN04	Earbuds with D-piece and microphone EHN07

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Radio

TC-620

Analogue handheld radio

The TC-620 is specially designed for users in facilities, in hotels, and across the service sector. As well as its varied functionality, this handheld radio offers outstanding sound quality. It is easy to operate, and excels through an optimal price-performance ratio.



Highlights

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 distance.

Attractive design

The TC-620 abandons a conventional purely black case. With grey case elements and the metallic nameplate, this handheld radio visually stands out.

Programmable channel spacing 12.5 kHz/25 kHz

This feature provides a high degree of flexibility and straightforward adaptation to changing requirements in relation to the channel spacing, without the need for you to buy new radios.

Long battery life

With a duty cycle of 5-5-90, the TC-620 offers a battery life that outlasts a shift from a single charge. You can activate a three-colour LED display by pressing a single button to display the charge state of the battery.

Clear communication

A powerful loudspeaker and state-of-the-art noise processing technology delivers excellent sound quality, even in noisy, bustling environments.

Expanded loudspeaker protection

The loudspeaker of the TC-620 is protected against damage from hard objects such as nails and against water entering the device.

Functions

- Monitor function
- CTCSS/CDCSS and noise cancellation
- VOX
- Channel scan
- Energy saving mode
- Warning tone for low battery charge state
- Busy channel lockout
- Time-out timer (TOT)
- Programmable via PC
- Line-connected "cloning" function for transferring settings to another two-way radio
- Selectable squelch levels



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) (with standard battery, without antenna)	117 × 54 × 31 mm
Weight	275 g (with antenna and standard battery)
Shock and vibration resistance	MIL-STD -810 C/D/E/F
Dust and water protection	IP54

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	35 / 40 dB
Nominal audio distortion	≤ 5 %

Receiver	
Sensitivity	0.25 / 0.28 μV
Adjacent channel selectivity	≥ 60 / 70 dB
Intermodulation	≥ 60 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.

Radio

TC-700P

Analogue handheld radio

Thanks to the advanced audio processing and anti-interference technologies, the TC-700P delivers clear communications, even in noisy environments.

The multi-level safety mechanism also offers the optimal safety solution for critical applications.



Highlights

Safety guaranteed

To ensure the protection and safety of the user, the TC-700P provides important functions for critical applications, in emergencies or in the event of accidents with its lone worker, man down alarm and emergency alarm features.

High transmitting power

With its transmitting power of up to 5 watt the TC-700P achieves a large range.

Excellent audio quality

Thanks to its powerful loudspeaker with an audio power output of up to 1.5 watt the TC-700P ensures clear communication even in a noisy environment. With the "whisper" feature the TC-700P transmits speech clearly even if the user speaks quietly.

Scan

The TC-700P supports two scan types: Normal scans and vote scans. Normal scans make it possible to listen to the transmissions from other channels, while the vote scan helps to establish contact with the nearest base station.

Functions

- Vibration alarm
- Emergency call, lone worker and man down alarm
- CTCSS/CDCSS
- Scrambler
- Intercept
- Switching off squelch
- Announcement of the current channel number
- Warning with low battery charge
- Adjusting transmitting power
- Various signaling types such as telephone signaling, 5-tone sequence and HDC2400TM
- Call 1 - call 5 (calls assignable to keys, e.g. for 5-tone signaling)
- Bypassing the repeater (talk around)
- VOX (voice-controlled send keying)
- Time-out timer (TOT)
- Wireless copying of settings to another radio
- Manual/automatic matching with a PC
- Patrol monitoring (optional)



Technical Data

General data	
Frequency range	VHF: 136 – 174 MHz UHF: 400 – 470 MHz
Channel capacity	16
Channel spacing	12.5 / 20 / 25 kHz
Operating voltage	7.4 V
Standard battery	1700 mAh (lithium-ion battery)
Battery service life (5-5-90 duty cycle)	approx. 12 hours
Frequency stability	± 2.5 ppm
Operating temperature range	-25 °C to +60 °C
Antenna impedance	50 Ω
Dimensions (H×W×D) (with standard battery, without antenna)	124 × 54 × 35 mm
Weight (with antenna and standard battery)	330 g
Shock and vibration resistance	MIL-STD -810 C/D/E/F
Dust and water protection	IP54

Transmitter	
Transmitting power	VHF: 2 / 5 W UHF: 2 / 5 W
Modulation	16 K0F3E / 11 K0F3E
Interfering signals and harmonics	-36 dBm (< 1 GHz) -30 dBm (> 1 GHz)
Hum and noise	40 / 45 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 (1700 mAh) BL1703	Belt clip BC08	Charger CH10L07
Wrist strap RO04	Switching power adapter for charger PS1044	Antenna

Optional accessories

Carrying bag leather with belt strap LCBY22	Battery optimizing system MCA05-A1	Programming cable (USB) PC25
Loudspeaker microphone (IP55) SM13N5	Concealed headset EAN04	Earbuds with D-piece and microphone EHN07

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Radio

TM-600 TM-610

Analogue mobile radios

TM-600 and TM-610 mobile radios deliver reliable analogue communications for desktop or in-vehicle deployments.

The TM-600 can indicate the channel on its numerical 8-segment display. In addition, LEDs show the channel search and transmitting power.

The large 15-segment LCD display on the TM-610 provides information on channels or zones as well as call numbers and other function settings. The keyboard and display are illuminated to ensure the products can also be used at night.



TM-600



TM-610



Functions

Automatic Number Identification (ANI)

When receiving an HDC2400™ or HDC1200 signal, the display shows the identification or the name of the caller. The firmware of the two-way radio supports a selective call list with up to 128 entries (128 for TM-610, 8 for TM-600).

128 channels and dynamic "regrouping" function (TM-610)

128 channels and the "zoning" function of the TM-610 provide you with a flexible organization of work groups. You can assign any name to every channel and every zone so that a simple identification is possible. The dynamic regrouping function enables highest flexibility in a changing working group environment.

Additional functions

- Stun/Kill & Revive
- 6/4 (TM-610 / TM-600) programmable buttons with background lighting for quick access to important functions
- Operation via vehicle ignition key, time-controlled switch-off
- Voice output via external loudspeaker possible
- Channel scan (TM-600) – also includes priority channel scan, selection of a priority channel as well as temporary elimination of a channel with interference
- Numerous scan options (TM-610) – single and multiple zone scan, addition and removal of channels, elimination of channels with interference as well as selection of a priority channel
- CTCSS/CDCSS
- DTMF call function makes possible flexible calling methods, such as call by name, automatic call, repeat call as well as manual call
- Programming via PC
- UST (User Selectable Tone) – selection of a CTCSS/CDCSS code via a programmable function key
- Lone Worker
- Dual home channels (TM-610), single home channel (TM-600)
- Auto transpond
- Time-out timer (TOT)
- Busy channel lockout
- BOT ID/EOT ID
- Off-hook decode
- Selectable squelch levels
- Frequency reverse
- Talk-around function
- Leasing operation
- Wireless copying of settings to another terminal

Powerful loudspeaker

The HYT voice technology and powerful loudspeakers ensure a clear audio output.

Numeric 8-segment LED display (TM-600)

The numeric 8-segment display shows the operating channel. LEDs show the channel search and transmitting power.



Large 15-segment LCD display (TM-610)

Channels, call numbers and other function settings are displayed. The keyboard and display are illuminated so that the user has good good visibility, even at night.

Emergency call

Both radios can send an emergency signal using the emergency call button.

Technical Data

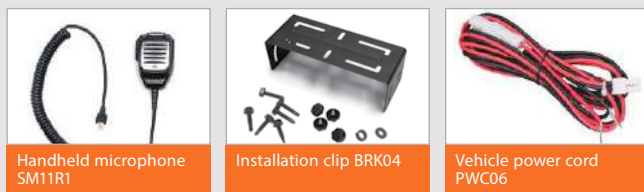
General data	
Frequency ranges	VHF: 136 – 174 MHz UHF: 400 - 470 MHz
Channel capacity	TM-600: 8 TM-610: 128
Channel spacing	12.5 / 20 / 25 kHz
Operating voltage	13.6 V _{DC} ± 15%
Power consumption	
Standby operation	0,5 A
Receiving mode	< 2,0 A
Transmission mode	< 5 A (5 W) / < 8 A (25 W)
Frequency stability	± 2,5 ppm
Antenna impedance	50 Ω
Dimensions (H × W × D)	152 × 43 × 125 mm
Weight	1 kg
Operating temperature range	-30 °C to +60 °C
Shock and vibration resistance	MIL-STD -810 C/D/E/F
Dust and water protection	IP54

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

Transmitter	
Transmitting power	VHF: 5 / 25 W UHF: 5 / 25 W
Modulation	16 K0F3E / 11 K0F3E
Interfering signals and harmonics	-36 dBm (< 1 GHz) -30 dBm (> 1 GHz)
Hum and noise	> 45 dB (20 / 25 kHz) > 40 dB (12.5 kHz)
Nominal audio distortion	≤ 3%

Receiver	
Sensitivity	0,28 μV
Intermodulation	≥ 65 dB
Spurious response rejection	≥ 70 dB
Hum and noise	> 45 dB (20 / 25 KHz) > 40 dB (12,5 KHz)
Internal audio power output	5 W (< 5% distortion) 3 W (< 3% distortion)
External audio power output	13 W (< 5% distortion) 12 W (< 3% distortion)

In the box

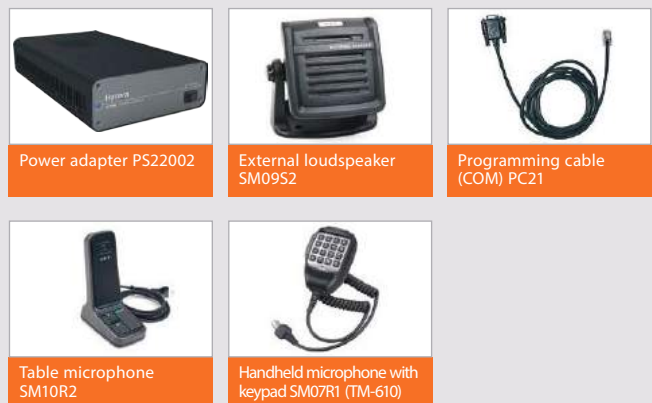


Handheld microphone
SM11R1

Installation clip BRK04

Vehicle power cord
PWC06

Optional accessories



Power adapter PS22002

External loudspeaker
SM09S2

Programming cable
(COM) PC21

Table microphone
SM10R2

Handheld microphone with
keypad SM07R1 (TM-610)

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