

# TP PORTABLE REPEATER KU2629

- FOR VHF OR UHF

- Real Base Station specifications - NOT mobile or portable
- Programmed to customers frequencies
- Duplex filter included (6 cavities filter)
- Power supply 12V / 110V / 220V
- Backup battery incl.
- Tested & adjusted
- Plug & play

## HIGHLIGHT

- FULL RF BANDWIDTH  
VHF: 68 - 88 MHz  
VHF: 135 - 174 MHz  
UHF: 350 - 410 MHz  
UHF: 400 - 470 MHz
- CHANNEL SPACING  
12,5 / 20 / 25 KHz
- MULTI CHANNELS
- ADJUSTABLE POWER
- CTCSS SIGNALING /  
CARRIER CONTROLLED REPEATER
- HIGHLY FLEXIBLE BUILT WITH A  
MODULAR DESIGN
- WATERPROOF PELICASE
- RUGGEDIZED CONSTRUCTION
- FULL DUPLEX REPEATER



Real base station, incl. duplex filter. Plug & Play

# PROFESSIONAL RADIO COMMUNICATION

Where communication and longer coverage is required, this special portable/tactical repeater built in a watertight, crushproof and dust proof case is always ready for instant setup.

The TP portable repeater is designed for two way radio communication on the VHF or UHF PMR frequency bands.

It is a unique product as the design combines an outstanding mechanical robustness with state of the art technology and user friendliness. The unit is an Plug & Play unit.



When communicating between two hand portables, you normally have coverage up to approx. few km. If there is a instant need to to cover a bigger area it will be ideal to use this portable repeater. With the repeater your distance can become 10 times longer. This repeater has standard PMR frequencies and is ideal for covering longer distance. If you have a network of radios (even radios from other manufactures), and you need to cover a bigger area, you only have to connect this repeater (with the same frequencies as you are using) to a power supply and mount an antenna at a high level. Emidiatly hereafter you will gain much higher coverage.

**Ideal places for use are emergency situation where the coverage is poor, at events where the distance is big or where there is a need for a temporary solution etc.**



## Specifications:

General	UHF I	UHF II	VHF 2m	VHF 4m
Frequency Range	350-410 MHz	400-470 MHz	135-174 MHz	68-88 MHz
Number of channels			32	
Channel spacing		12.5, 20 or 25 KHz		
Frequency error		± 2 ppm		
Mode of operation		Duplex		
Antenna impedance		50 Ohm		
Temperature range		-30° to + 70°C		
Power supply		13.2 V Nominal.		
Dimensions		H. 155, W. 155, D. 37 mm		
Weight		Approx. 6000g		

## Transmitter

Output power	Adjustable high / low in two steps 5 - 25 W
Adj. Channel power	78 dB below carrier
Intermod. attenuation	40dB
Spurious conducted	less than - 40dBm
Spurious radiated	less than - 45dBm
Max. Deviation	+/- 5 KHz / 25 KHz channel
Modulation distortion	< 5 % @ +/- 3.0 KHz
Signal / noise ratio	45 dB
AF freq. Response	300 - 3000 Hz + 6 dB octave
Current drain	@TX 25 W = > 6.5 A
Stand-by	>200 mA

## Receiver

1. Intermediate freq.	45 MHz
2. Intermediate freq.	450 KHz
Sensitivity @ 20 dB (25 KHz ch. spac.)	0.6 µV typ.
AF output power	4 W
AF distortion	< 10 %
AF freq. Response	300 - 3000 Hz - 6 dB / Octave
Signal / noise ratio	> 45 dB
Co-channel rejection	- 3 dB
Adjacent channel selec.	> 73 dB
Spurious rejection	> 75 dB
Intermodulation sel.	> 70 dB
Blocking	> 100 dB
Spurious conducted	> - 60 dBm
Spurious radiated	> -70 dBm
Squelch level	Programmable

## Signalling

CTCSS / DCS Encoder & Decoder.

TP Radio reserve the right to amend specifications without prior notice.

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IN CONFORMITY WITH THE (EUROPEAN TELECOMMUNICATION STANDARDS)  
ETS 300 086 - ETS 300 113 - ETS 300 219 - ETS 300 279  
CE APPROVED ACCORDING TO: EC DIRECTIVE 89/336/EEC  
IP67 WATERPROOF CABINET.

 **TP RADIO**  
-THE COMMUNICATION INNOVATORS

**TP RADIO**

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