

KEY FEATURES

- Water Resistance & Dust Protection, meets IP-65 Ingress Protection Standards
- Wide Band Frequencies: 136-174 MHz (VHF) 400-470 MHz & 450-520 MHz (UHF)
- 2 Tone, 5 Tone, DTMF & MDC 1200 Signaling
- Feature & Status Annunciation
- Voice Recorder
- Emergency Alarm
- Surveillance Function
- GPS (Optional)
- Man Down (Optional)



QP-725 Professional Mobile Two-Way Radio

The QP-725 is a rugged portable that meets IP-65 Standards for water resistance and dust protection. Signaling includes MDC 1200 PTT ID and emergency, CTCSS/DCS, 2 Tone Encode/Decode, and DTMF Encode. It was designed with some unique features like voice recording and an internal GPS option that will clearly separate it from its closest competitors.

Water Resistance & Dust Protection

The radio meets the requirements for Ingress Protection Standard IP-65. This keeps the radio protected in both very wet and dusty environments.

Wide Band

Allows the radio to be programmed in a wide frequency range. VHF: 136-174 MHz and UHF: 400-470 MHz / 450-520 MHz

Signaling

The radio includes a variety of signaling options: 2 Tone, 5 Tone, DTMF & MDC 1200 signaling system. These signaling systems come with PTT ID, Alarm, Voice Storage, Individual Call, Group Call, Short Message and Data Transmission.

Feature & Status Annunciation

The radio will let you know its status as well as a variety of different features by a voice announcement. Feature status announcements include: battery life remaining, GPS location, channel selected and radio ID. There is also an option to customize the language of the voice.

Voice Recording

The radio is able to record up to 60 seconds of voice messages. This feature also allows for storing and reading of recorded voice messages and incoming messages when using the 2 Tone selective call option. Messages can be played back when desired by the user.

GPS (Optional)

The Global Positioning System option enables the user to keep track of the radio and/or the user of the radio at any given time while radio is within its coverage area.

Emergency Alarm

In case of an emergency an alarm will be transmitted from the radio when the alarm button is pressed.

Software Upgradeable

Allows the user to add or delete functions to keep the radio up to date with current and future software upgrades.

Man Down (Optional)

When this feature is activated the radio will enter into an alarm mode if the radio remains in a horizontal position for

PC Tuning

Simplifies maintenance of the radio and tuning of the radio by allowing both to be done via a PC.

VOX

Allows for hand free operation of the radio when the appropriate VOX accessory is attached.

Embedded Message & Serial Number

The radio can store both messages and records, for example: maintenance, history or programming records. The electronic serial number makes the unit identifiable even if the radio's tag with the serial number, etc. is lost or removed.

Powerful Audio Output

A 1W rated audio output ensures a clear audio even in the noisiest of environments.

Password Protection

A radio password can be designated upon PC programming. This protects the radio from unauthorized users changing the programming of the radio or accessing information related to the radio.



Accessories

Quantun Electronics offers a vast and complete line of audio accessories to enhance the operation of your radio.



Secure Wear Earbud
ITEM # QBM0003PCB

*Works in conjunction with product item # QBM100PCB



In Line PTT & Microphone
ITEM # QBM100PCB

*Works in conjunction with product item # QBM003PCB



VOX Earpiece
ITEM # QBM1V2PCB



VOX Earpiece with D-Ring
ITEM # QBM1V3PCB



Economical & Universal Earbud
with In Line PTT
ITEM # QBM102PCB



Secure Earbud with D-Rind
and On-Mic PTT
ITEM # QBM103PCB

Spare Battery 2000 mAh Li-Ion
ITEM # QCBLI2000

Belt Clip for QP-725
ITEM # QCC15000

Internal GPS
ITEM # QCGPSM-1000

Man Down
ITEM # QCMD-1500

VHF Antenna
ITEM # QCANT136

UHF Antenna
ITEM # QCANT400

Power Adapter for Chager 110/220 V AC
ITEM # QCPS725

Charger Base
ITEM # QCCB725

Programming Kit for QP-725
ITEM # QC72510020020

Programming Cable with Serial Port
ITEM # QC755200010

Bone Induction Earpiece with Extended
Coiled Cable
ITEM # QBM105PCB

Light Weight and Comfortable Headset
ITEM # QBM112PCB

Convenient Earset - Condenser Microphone
with Soft & Skin Friendly Ear Hook Reinforced
with Kevlar
ITEM # QBM104PCB

Throat Microphone
ITEM # QBM113PCB
ITEM # QBM114PCB

Transparent Acoustic Ear Plug (Optional:
Eartube as a replacement for Ear tip, 6pc/set)
ITEM # QBF4BS

Heavy Duty Speakr Microphone, Enviromental
PU Cable Reinforced with Kevlar
ITEM # QBM126PCB



Reliable Earbud with Transparent
Acoustic Tube

ITEM # QBM108PCB

* Tube replacement: Item # QBF05



Reliable Earbud with Transparent
Acoustic Tube

ITEM # QBM107PCB

* Tube replacement: Item # QBF05



Bone Induction Earpiece
ITEM # QBM101PCB



Headset
ITEM # QBM110PCB



Light Duty Speaker Remote, Compact
& Sound - 360° Swivel Metal Clip
ITEM # QBM125PCB



Light Duty Speaker Remote, Compact
& Sound - 360° Swivel Metal Clip
ITEM # QBM125PCB

QP-725 PROFESSIONAL TWO WAY RADIO SPECIFICATIONS

GENERAL SPECIFICATIONS

General Specifications	General Specifications
Frequency Range	136-174 MHz (VHF) / 400-470 MHz & 450-520 MHz (UHF)
Channel Capacity	16 Channels
Channel Spacing	12.5 / 20 / 25 KHz
Battery	2000 mAh Li-Ion Battery
Battery Life (5-5-90 Cycle)	16 Hours
PLL Step	2.5 / 5 / 6.25 KHz
Type of Emission	16K ϕ F3E / 11K ϕ F3E
Current Drain	TX High < 1.5A RX Maximum Audio < 330 mA (Internal SP) Standby < 70 mA
Antenna Impedance	50 Ω
Operating Temperature	-22°F to +140°F (-30°C to +60°C)
Power Supply	7.5V DC +20%
Weight (With Standard Battery)	10.23 oz. (290g)
Dimensions (H x W x D)	4.47in x 2.13 x 1.32in (113.5mm x 54mm x 33.5mm)

TRANSMITTER SPECIFICATIONS

Transmitter Specifications	Transmitter Specifications
Frequency Stability	2.5 ppm
Power Output	1W (L) / 2W (M) / 4W or 5W (H)
Modulation	+2.5 kHz @ 12.5 kHz / +4 kHz @ 20 kHz / +5 kHz @ 25 kHz
FM Hum & Noise	-45 dB / -40 dB (Wide/Narrow)
Conducted Radiated Emission	-36 dBm < 1 GHz / -30 dBm > 1 GHz
Adjacent Channel Power	-60 dB @ 12.5 KHz / -70 dB @ 20/25 KHz
Audio Response (300-3000 Hz)	+1 dB to -3 dB
Audio Distortion	< 3%

RECEIVER SPECIFICATIONS

Receiver Specifications	Receiver Specifications
Sensitivity (12 dB SINAD) EIA	.28 μ V @ 12.5 kHz / .25 μ V @ 20/25 kHz
Sensitivity (20 dB SINAD) ETS	.50 μ V
Intermodulation EIA	70 dB
Adjacent Channel Selectivity	60 dB @ 12.5 kHz / 70 dB @ 20/25 kHz
Spurious Rejection	70 dB
Rated Audio	1W
Audio Distortion @ Rated Audio	3%
Audio Response (300-3000 Hz)	+1 dB to -3 dB
Conducted Spurious Emission	-57 dBm < 1 GHz / -47 dBm > 1 GHz (ETS 300 086)

US MILITARY SPECIFICATIONS

US Military Specifications	810 C Method	810 C Procedure	810 D Method	810 D Procedure	810 E Method	810 E Procedure	810 F Method	810 F Procedure
Low Pressure	500.1	1, 2	500.2	1, 2	500.3	1, 2	500.4	1, 2
High Pressure	501.1	1, 2	501.2	1, 2	501.3	1, 2	501.4	1, 2
Low Temperature	502.1	1, 2	502.2	1, 2	502.3	1, 2	502.4	1, 2
Temperature Shock	503.1	1	503.2	1	503.3	1	503.4	1
Solar Radiation	505.1	1	505.2	1	505.3	1	505.4	1
Rain Blowing / Drip	506.1	1, 3	506.2	1, 3	506.3	1, 3	506.4	1, 3
Humidity	507.1	-	507.2	-	507.3	-	507.4	-
Salt Fog	509.1	-	509.2	-	509.3	-	509.4	-
Dust Blowing	510.1	1	510.2	1	510.3	1	510.4	1
Vibration	514.2	1	514.3	1	514.4	1	514.5	1
Shock	516.2	1, 4	516.3	1, 4	516.4	1, 4	516.5	1, 4

IP STANDARD

Ingress Protection Standard	Ingress Protection Standard
Dust Protection & Water Resistance	IP-65

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