

# IMPROX QT

## ImproX QT Quad Transmitter

### INTRODUCTION

The ImproX QT Quad Transmitter is a 4-channel handheld UHF as well as a passive keyring shape transponder tag that is designed to operate in conjunction with the ImproX RF UHF Receiver and with the ImproX range of access control readers. Each of the four pushbuttons is used to transmit a different channel identification code, together with the Transmitter's ID, to the Receiver.

The Receiver can be connected to an access control system such as the IXP200 or IXP 300/400 systems, and the four channels can be used to activate different devices (e.g. open a boom) in the system.

The ImproX Quad Transmitter carries 4 push-buttons. Pressing any one of these modulates the UHF carrier with data, which includes the Transmitter identification number and the channel number.

The data transmitted by the Quad Transmitter is decoded by the ImproX 4-Channel UHF Receiver, which identifies the channel concerned and then outputs the UHF tag ID data to the appropriate ImproX DT or ImproX PT (or similar) unit.

The Transmitter is powered by an internal battery.



### FEATURES

- Small in physical size
- A UHF 4-channel handheld tag.
- Operates from own power source.
- Compatible with ImproX RF UHF Receiver
- Transmits own identity and each pushbutton has a code identity.
- Receiver interfaces to access control systems e.g. IXP200 or IXP300/400.
- Operates four separate devices e.g. open a boom.

### APPLICATIONS

- Vehicle Access Control Systems
- Personnel Access Control Systems

### SPECIFICATIONS

<b>PHYSICAL SPECIFICATIONS</b>	
Dimensions	L= 60 mm (2.36") W= 45 mm (1.77") H= 15 mm (0.59")
Material	Plastic
Colour	Blue with gray pushbuttons

**ENVIRONMENTAL SPECIFICATIONS**

Temperature Operating	-15°C to +70°C (-13°F to +176°F)
Temperature Storage	-40°C to +80°C (-40°F to +176°F)
Humidity Range	0 to 95% relative humidity at +40°C (+104°F) non-condensing
Technical Specification for Short Range Radio Devices in the 25MHz to 1 000MHz frequency range	I-ETS 300-220
Dust and Splash Resistance	This unit is manufactured in accordance with a dust and splash environment similar to that required for a rating of IP56
Drop Endurance	2m drop (in packaging)

**ELECTRICAL SPECIFICATIONS**

Power Requirements	
Internal battery	3.2 V, 220 mAh, (type CR2032 lithium coin cell)
Battery life	± 2 years at 10 operations/day at +25°C (+77°F)
<b>UHF Transmitter:</b>	
Frequency	433.92 MHz
Modulation	ASK
Range	Up to 10 metres (approximately 11 yards) (line of sight) when used with the ImproX RF UHF Receiver.
<b>RF Passive Tag:</b>	
Frequency	125 kHz
Range	Up to 50 mm (1.97")

**ORDERING INFORMATION**

The ImproX QT Quad Transmitter can be ordered under the Impro code XQT900-0-1-GB-XX.

**ASSOCIATED EQUIPMENT**

The Transmitter is designed for use with the ImproX RF UHF Receiver, part number UHR900-0-1-GB-XX.