

## Manual for Quick pager MP10D



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## **1. FEDERAL COMMUNICATIONS COMMISSION STATEMENT**

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Modifications not expressly approved by this company could void the user's authority to operate the equipment

**NOTE:** This equipment has been tested and found to comply with the limits for a **Class B digital device**, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The internal / external antennas used for this mobile transmitter must provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

## **2. PAGER SYSTEM**

Alert pager system with frequency bands: 426MHz, 433MHz and 915MHz

Europe, Australia: 433MHz

North America: 915MHz

Japan: 426MHz



## 3. ADJUSTMENTS

### 3.1 Pager receiver programming

#### **Receiver ON/OFF**

**ON:** Press **On/set**.

Two beeps and a vibration are indicated (if enabled).

The LED's shows a running light from left starting with **blue**, **yellow**, **green** and **red**

Every 10 seconds a short flash in the **green** LED shows that the receiver is ON

**OFF:** Press **On/set** and keep pressed until the LED's shows a running light starting with **red** to **blue**.

One beep and a vibration are indicated (if enabled).

#### **Manuel alarm reset**

The receiver shows an alarm by a flashing LED, a sound and a vibration. Press and hold **OK** 2 seconds to reset the alarm.

#### **Automatic alarm reset**

Connect the receiver to the adaptor.

Press **OK** and **Menu** at the same time for 3 seconds

Two short beeps are heard and vibrator vibrates twice = Automatic reset ON.

Info in display: MSG TO ON

One short beep is heard and vibrator vibrate once = Automatic reset OFF.

Info in display: MSG TO OFF

#### **Repeat of the latest alarms**

The latest ten alarms are stored in the memory in the receiver.

Press once on **Menu** shows the latest alarm.

Press twice on **Menu** shows the second latest alarm. And so on.

#### **Vibrator and beeper ON/OFF**

Connect the receiver to the adaptor.

Press **OK**, the vibrator vibrates once = Vibrator OFF.

In display: VIBR. OFF

Press once again **OK**, the vibrator vibrates twice = Vibrator ON.

In display: VIBR. ON

Press **Menu**, the buzzer beeps once = Buzzer OFF

Info in display: BUZZER OFF

Press once again **Menu**, the buzzer beeps twice = Buzzer ON

Info in display: BUZZER ON

#### **Coding of extra receiver**

There are no limit in numbers of receivers that can receive info from one Transmitter. They only have to be coded to the transmitter.

Make sure that the receiver is OFF.

Press **On/set** and immediately (while LED's shows a running light) after press **OK** until the **blue** and the **red** LED's are flashing.

Within 5 seconds press **TEST** on transmitter.  
(**Blue** led next to TEST bottom flashes)

Info in display: ASSIGN HOME ID

If the coding is OK two short beeps are heard.

If the coding fails one short beep is heard.

## **3.2 Pager receiver recharging**

The battery capacity in the receiver is 2.4V 400mAH NiMH

The receiver can with the battery fully charged operate app. 24 hours.

It is highly recommended to recharge the receiver every time it is not in use, minimum once a day for at least 10 hours. Normally every night

When the adaptor plug is connected to the receiver the following happens:

If the receiver is ON:

- Receiver is set OFF

- All LED's are flashing three times

- The **red** LED is flashing every 10 seconds

- Info in display: External supply applied  
High Batt. charge 10.00

If the receiver is OFF:

- Two beeps and a vibration are indicated (if enabled).

- The LED's shows a running light from left starting with blue

- All LED's are flashing three times

- The **red** LED is flashing every 10 seconds

- Info in display: External supply applied  
High Batt. charge 10.00

When the adaptor plug is disconnected from the receiver the following happens:

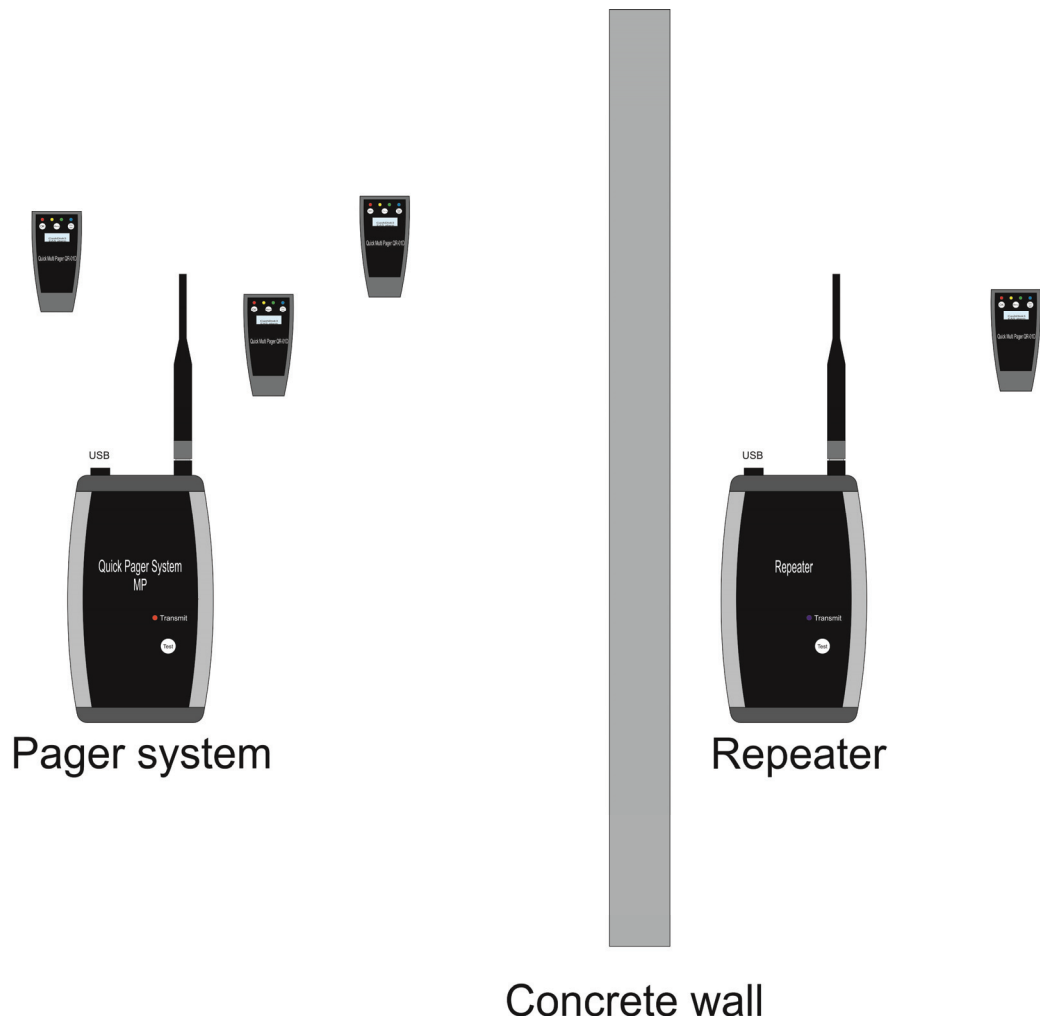
The receiver is OFF

## **3.3 Repeater unit**

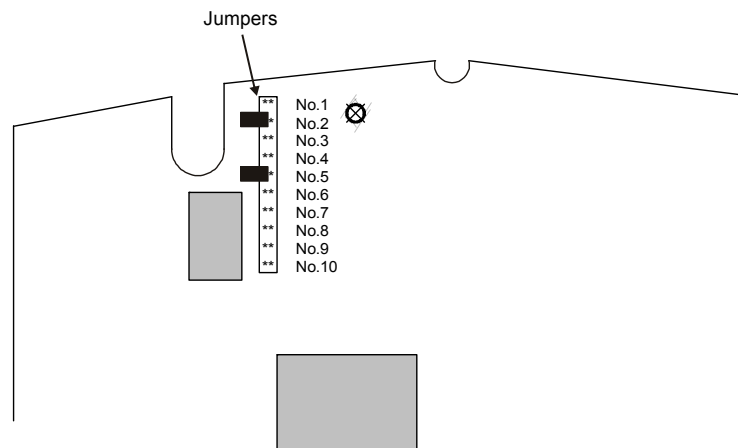
Here is an example where the pager receiver can't receive the signal from the transmitter due to the concrete wall that is between the receiver and the transmitter.  
The solution is to use a Repeater unit.

It could also be that the transmitter unit is mounted on a wall, which has a high content of metal.  
Or the distance between the units could be too big.

Placing a Repeater unit in between the units will extend the communication distance.  
Maximum numbers of repeaters to one system are three.



## 3.4 Repeater setup



Jumper	Function
No. 1	Programming mode ( <b>only</b> to be used when programming)
No. 2	This repeater is no. X
No. 3	This repeater is no. X
No. 4	No use
No. 5	No use
No. 6	No use
No. 7	No use
No. 8	No use
No. 9	No use
No. 10	No use

Jumpers		Function
No. 3	No. 2	
OFF	OFF	Repeater number 1
OFF	ON	Repeater number 2
ON	OFF	Repeater number 3
ON	ON	No use

When the repeater is added to the Pager system do the following:

1. Set the repeater in program mode by placing the jumper in No.1
2. Switch the power on
3. Make sure that the distance between the repeater and pager transmitter is more than 3 meters.
4. Press the one of the bottoms on the Pager transmitter or activate an alarm in the EAS system.  
If the programming is OK the TX led will flash at the same time as on the Pager transmitter
5. Switch the power off
6. **VERY IMPORTANT:**  
Set the transmitter in normal mode  
**Remove jumper No. 1**
7. Switch the power on and test the system
8. Maximum 3 repeaters can be in a system.  
They must be numbered 1-2-or 3 by setting the jumpers as described above





## **4. SPECIFICATIONS**

### Pager transmitter PT01D:

Operating voltage	5V via USB
Dimension	89x148x26 mm
Weight	200 g
Frequency	426MHz <sup>note1</sup> , 433MHz, 915MHz, ISM band
Transmit power	9.9mW
Antenna impedance	50 Ohm
Antenna connection	SMA
Distance to receiver	175 meters in open space
Distance to Repeater	350 meters in open space
RoHS compliant	Yes

### Pager receiver QR01D:

Battery type	2.4V, 400mAh NiMH rechargeable
Standby time	24 hours
Charge time	10 hours
Dimension	47x96x23 mm
Weight	100 g
Frequency	426MHz <sup>note1</sup> , 433MHz, 915MHz, ISM band
Signals	Light, beep or vibration
Adaptor	100-240Vac
RoHS compliant	Yes

### Pager repeater PA01:

Operating voltage	5V via USB
Dimension	89x148x26 mm
Weight	200 g
Frequency	426MHz <sup>note1</sup> , 433MHz, 915MHz, ISM band
Transmit power	9.9mW
Antenna impedance	50 Ohm
Antenna connection	SMA
Distance to receiver	175 meters in open space
Distance to Repeater	350 meters in open space
Adaptor	100-240Vac
RoHS compliant	Yes

Approvals	CE (433MHz), FCC/IC (915MHz)
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Note 1: under development. Expected in production: primo Q3 2013

Article number: 9001031114