



**qs**

**Quick Solutions**

More Visible. More Secure.

**MFD Starter Kit**  
**Paging Option**

User Guide

Version 1.0

# Introduction

Designed for small sites without the need to integrate with CCTV, the system delivers a pager message whenever an MFD is triggered.

When a customer selects targeted products, MFDs communicate with the system and alert staff on the shop floor. Optional accessories include panic buttons and PIR detectors for the monitoring of enclosed spaces.

The system ensures that security staff are more focused and proactive in preventing loss, however there are also distinct sales and marketing benefits. Product pick up alerts can be used to direct sales staff to the shop floor to provide assistance.



# Kit contents

Your kit is supplied in a robust flight case for protection and portability. Inside the case you will find:



**MFD Receiver**



**4x MFD units  
and remote  
control**



**Pager  
Transmitter**



**Pager unit**



**2x system  
aerials**



**MFD battery  
charger**

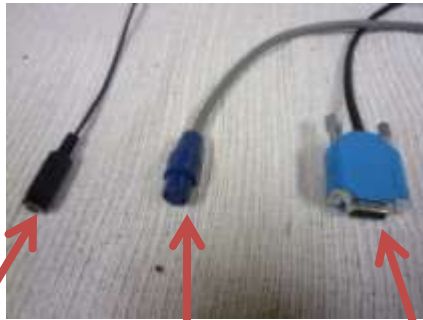


**System 12v PSU  
and power cable**



**Battery charger  
15v PSU**

# Connections

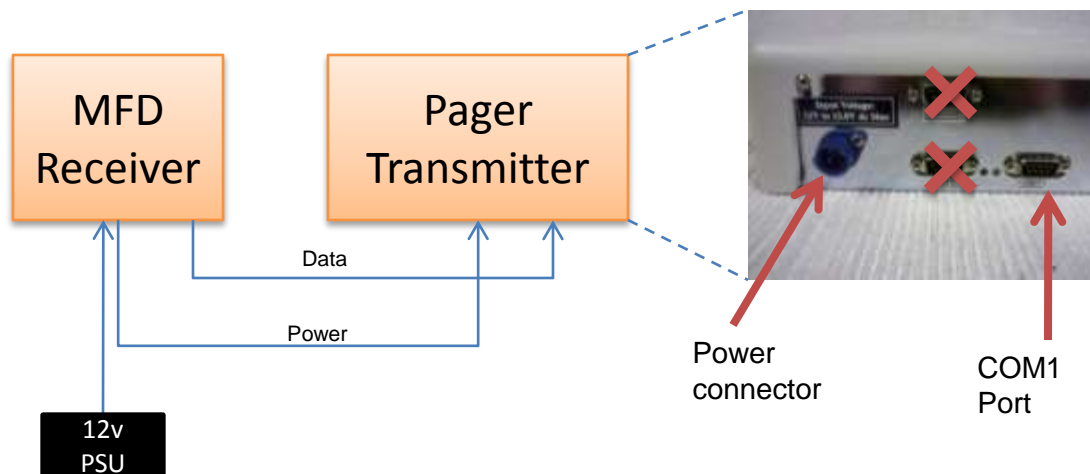


Power connector to PSU

Power connector to pager

Data connection to pager

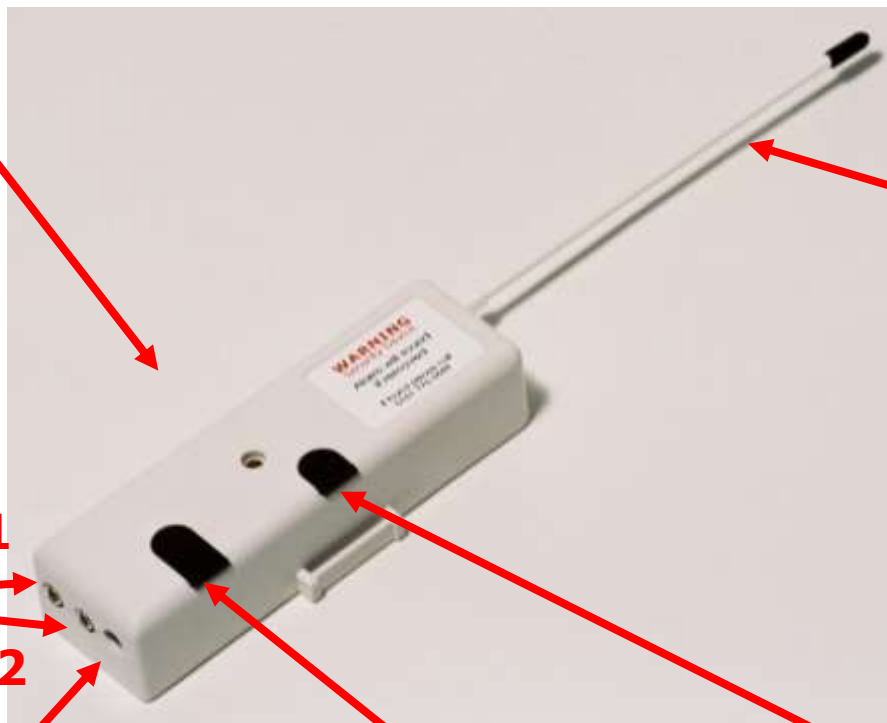
1. Attach aerials to the MFD receiver box and pager transmitter. The aerial with the green band connects to the MFD receiver.
2. Connect the blue data cable from the MFD receiver to the COM 1 port on the pager transmitter.
3. Connect the blue power connector to the pager transmitter.
4. Connect the 12v PSU to the black power connector. Note that the 12v PSU features a different size connector than the 15v battery charger PSU to avoid confusion.



# The MFD

The device is fitted with two strong magnets for secure positioning underneath shelving, and a fixture for strapping to posts etc. You can also use hoop and loop tape to affix to non-metallic surfaces.

(underside)  
Light sensor  
tamper switch



Loop inputs

1

2

DC Power  
input

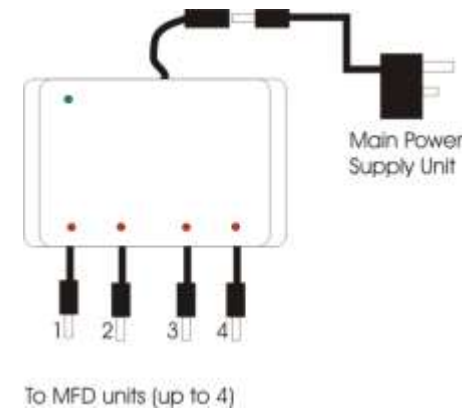
Remote control  
receiver

On board Passive  
Infra-Red (PIR)  
Sensor

Transmitter  
aerial

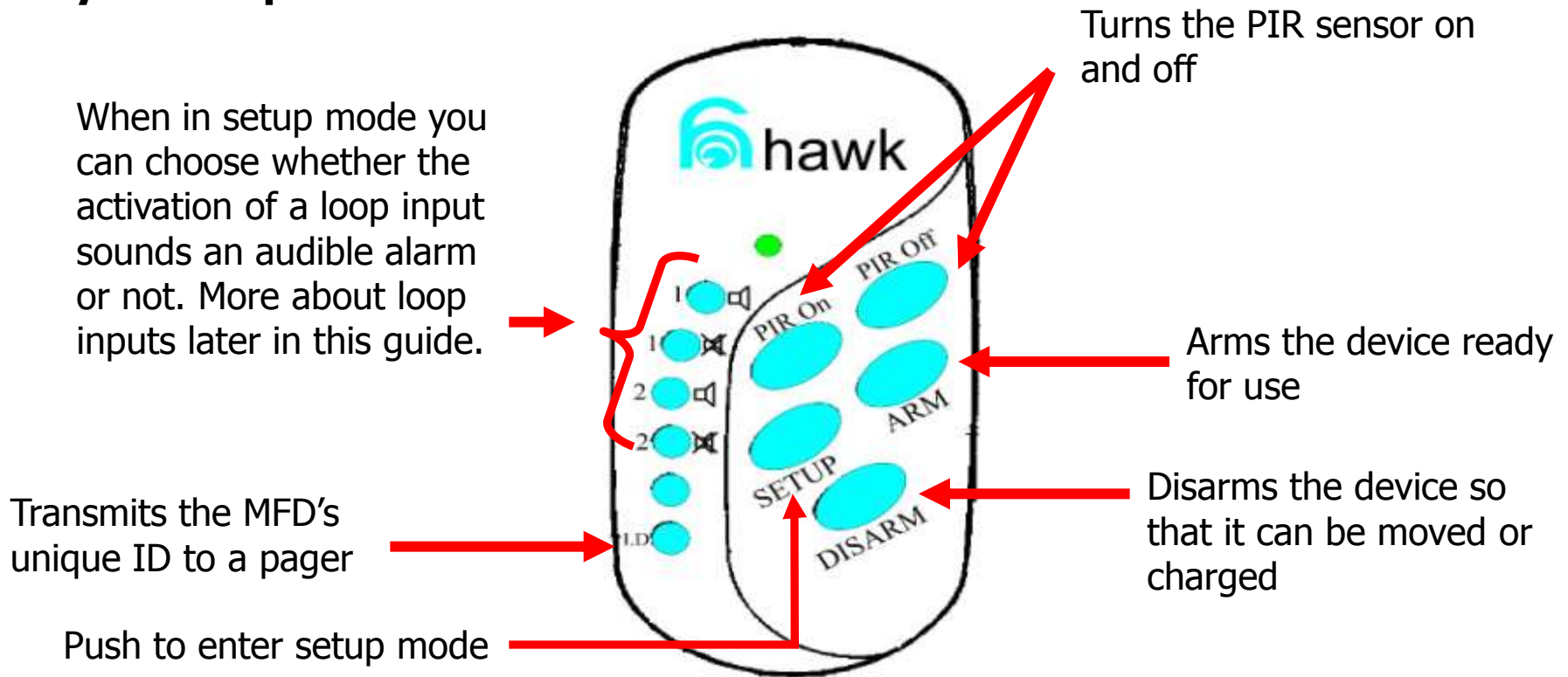
# Charging

- A fully charged MFD will last approximately 30 days in operation.
- Each charger unit can charge up to 4 MFDs.
- When an MFD is plugged into the charger the LED will indicate its status:
  - **Flashing Orange** – charging
  - **Solid Green** – charged and ready for use
  - **Solid Red** – Error. **Disconnect the MFD from the charger and reconnect.**
- Each MFD sends out a signal when its battery is low. You will receive an automatic pager notification when the unit needs charging.



# The Remote Control

**Now you're ready to begin setting up your MFD. A remote control is provided with your MFDs and spares are available from Quick Solutions at no charge. The batteries in the remote are ok when the LED lights up on any button press.**



# Positioning

Position the device underneath a shelf as shown. Magnets inside the device will hold it securely in place.

Alternatively the MFD can be strapped to a post using the loop attachment, or affixed to a non-metallic surface with hook and loop tape.



Position the receiver and pager transmitter as close to the shop floor as possible. Try to minimise the presence of thick walls or heavy metal between the MFD and the receiver unit as this can interfere with the signal.

**ALWAYS ENSURE THE MFD IS PLACED ON A FLAT SURFACE TO ENSURE THE TAMPER SWITCH (REAR OF THE DEVICE) IS COMPLETELY COVERED.**

# Setup an MFD

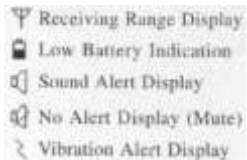
1. Wave your hand over the PIR sensor to wake the device up. A MFD will go to sleep after a short period if left inactive to conserve battery power.
2. Once the MFD is in position against a flat surface, push **Setup** on the remote. You will hear a beep.
3. Select **PIR on** or **PIR off** as required. In setup mode, waving your hand over the PIR sensor will cause a beep to sound. This is a good way to test the sensor coverage. When the MFD is positioned, in setup mode a beep should sound when a product is picked up from the shelf.
4. When you are happy with the set up, push **Arm**. A clear 6 beep signal will confirm this. The device is now armed and ready to use. Note that when armed the MFD operates silently.
5. Any attempt to move the device will trigger the tamper alarm. A clear alarm will sound for 30 seconds, after which it will sound intermittently until found. Push **Disarm** on the remote to stop this.

# The Pager

One pager unit is provided with your kit for communication with guards and management anywhere on the shop floor. Each pager is supplied with 1 AAA battery.



## Symbols



## Reading Messages

Press the 'Read' key and a list of messages will appear. Unread messages are highlighted. Press 'Read' again to read a message, and up and down to navigate. Press 'Function' whilst reading a message and you will be presented with a menu:



Select an option and push 'Confirm'.

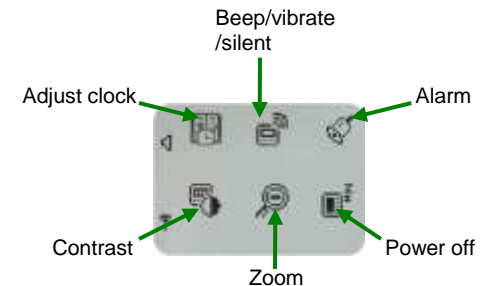
Multiple pagers can receive messages from one transmitter. You can purchase additional or replacement pager units from [www.quicksolutions.co.uk](http://www.quicksolutions.co.uk).

Pagers will automatically alert you to MFD triggers.

You can set the pager to an audible beep, vibration or silent functions.

Hold the 'Function' key for 2 seconds to activate the backlight.

Use the 'Function' key to cycle through the menus. On the utilities menu use the up and down keys and 'Confirm' to select an option



# Pager Messages

Each MFD is numbered from 0 to 15, and labelled as such. The pager will receive messages from the MFD under the following circumstances (X=MFD number):




- An MFD is armed and the PIR is triggered
  - “Pick up MFD X”
- An MFD is armed and a loop input is triggered
  - “Alarm MFD X”
- An MFD is armed and the tamper switch is activated
  - “Tamper MFD X”
- The battery level of an MFD is low
  - “MFD X Battery Very Low”
- The MFD battery is critically low, and is entering sleep mode until the battery can be charged
  - “MFD X SLEEP MODE”
- The ‘ID’ button on the remote control is pressed
  - “MFD X ID=y”
    - The ‘y’ value indicates the status of the MFD:
      - 00 = PIR disabled and unit disarmed
      - 02 = PIR enabled and disarmed
      - 08 = PIR disabled and armed
      - 0A = PIR enabled and armed

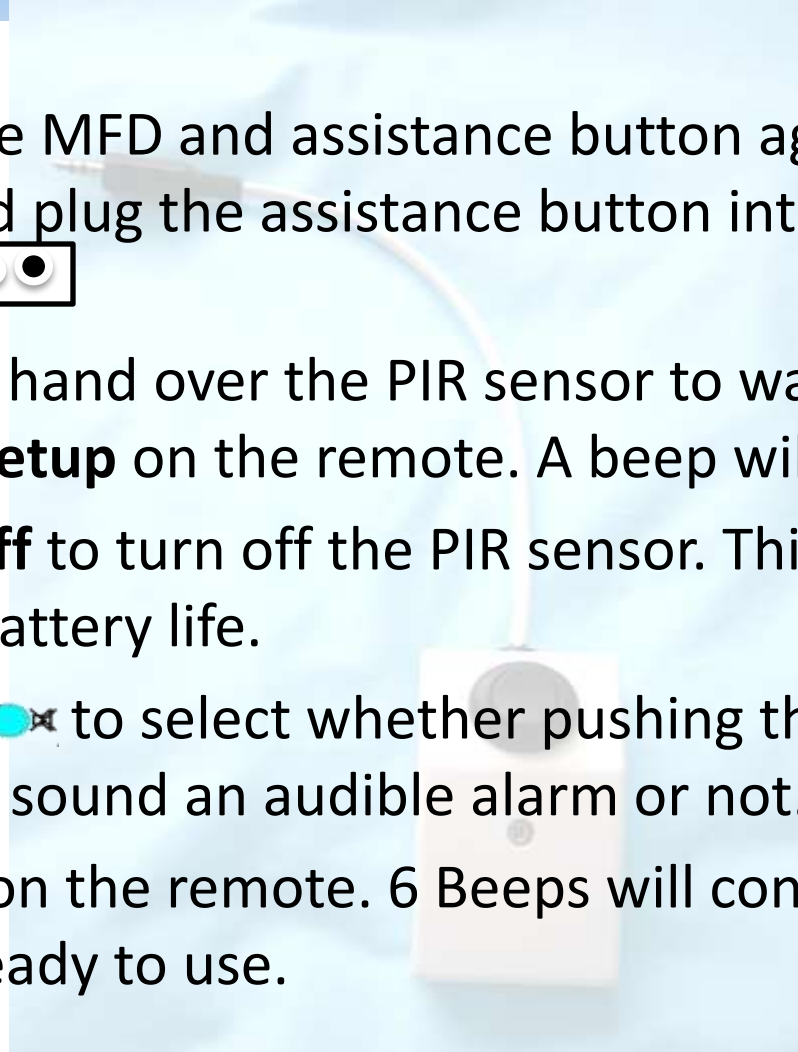
# Loop Inputs

- In addition to the equipment supplied in your starter kit, you can add auxiliary sensors to each MFD using the loop input sockets.
- Quick Solutions supplies an auxiliary infra-red motion sensor and panic button accessories.
- Both accessories are equipped with magnetic bases for positioning.
- Visit [www.quicksolutions.co.uk](http://www.quicksolutions.co.uk) for more information or to purchase.




# Assistance Button

1. Position the MFD and assistance button against a flat surface and plug the assistance button into the **loop 1 input**. 
2. Wave your hand over the PIR sensor to wake the device up and push **setup** on the remote. A beep will sound.
3. Push **PIR off** to turn off the PIR sensor. This will help conserve battery life.
4. Use  or  to select whether pushing the assistance button will sound an audible alarm or not.
5. Push **Arm** on the remote. 6 Beeps will confirm this. The device is ready to use.



# Auxiliary PIR

1. Position the MFD and Auxiliary PIR sensor against a flat metallic surface with the PIR facing in the direction you wish to monitor.
2. Plug the Auxiliary PIR sensor into the **loop 1 input**, and the power cable into the **DC power input** on the MFD. 
3. Wave your hand over the PIR sensor to wake the MFD up and push **setup** on the remote.
4. In setup mode, whenever the Auxiliary PIR sees movement the MFD will beep. Experiment by walking around to check that the area you wish to monitor is covered.
5. Push **Arm** on the remote. The 6 beep signal should sound. Note that the MFD now operates silently.

# Quick Solutions

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## WEEE

To protect the global environment and as an environmentalist, Quick Solutions must remind you that:

Under the European Union directive on Waste Electrical and Electronic Equipment, Directive 2002/96/EC, which takes effect on August 13<sup>th</sup> 2005, products of “electrical and electronic equipment” cannot be discarded as municipal waste anymore, and manufacturers of covered electronic equipment will be obligated to take back such products at the end of their useful life. Quick Solutions will comply with the product take back requirements at the end of life of QS-branded products that are sold into the EU. You can return these products to us at the address above.

