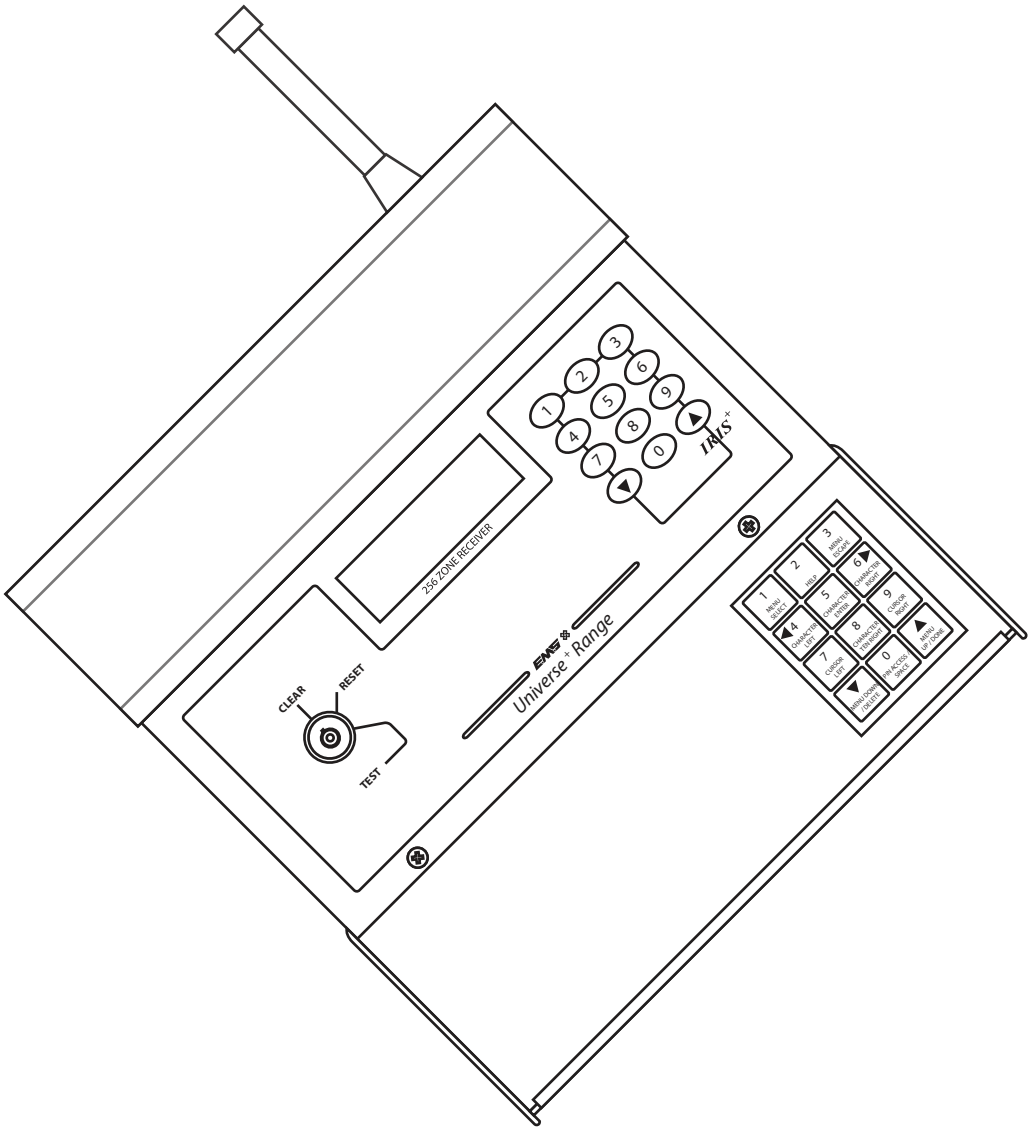
IRIS+ BS8243

Programming Guide



TSD249 Iss3 06/09/2018 AJM

Contents

Introduction

This programming guide has been produced as a guideline for programming the Iris+ receiver to include BS8243 alarm verification for Police response.

It should be noted that the contents of this document are a guideline only and that programming can be changed if required to suit site specific requirements.

Operation overview

This guideline shows the operation of the transmitters and Iris+ relay outputs when configured with the following settings.

Transmitter mode *('Handpush Type')*	Opposed Action Handpush
Iris+ Mode *('Radio Rules')*	BS8243 Mode
Verification time *('Verif. Time')*	8 hours
Iris+ outputs *('Output Setup')*	A1 & A2 LATCHED

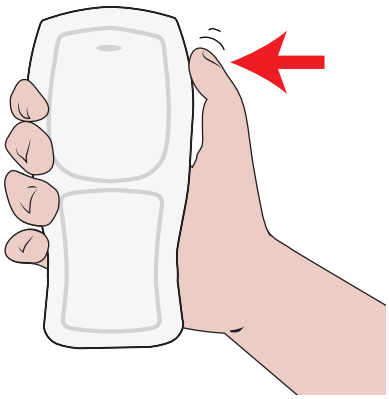
Note: 7500/2 hand held transmitters and 7972 pendant transmitters can both be used to generate first and second stage alarm conditions in BS8243 mode.

The method of operation and system programming is the same for both transmitter types.

Transmitter operation

7500/2 hand push and 7972 pendant transmitters when set for OPPOSED ACTION alarm activation in BS8243 MODE, operates as outlined below (*7500 hand push shown*):

One red button pressed

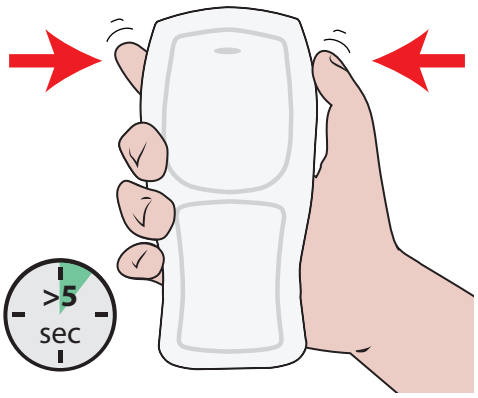


= No effect

Both red buttons *(momentarily)*

= Stage 1 alarm

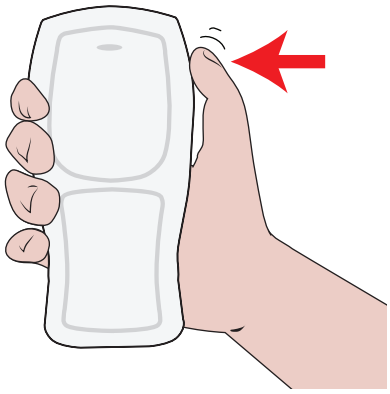
Followed by - Both red buttons pressed *(for over 5 seconds)*



= Verified alarm initiated

ALTERNATIVELY:

One red button pressed



= No effect

Both red buttons *(momentarily)*

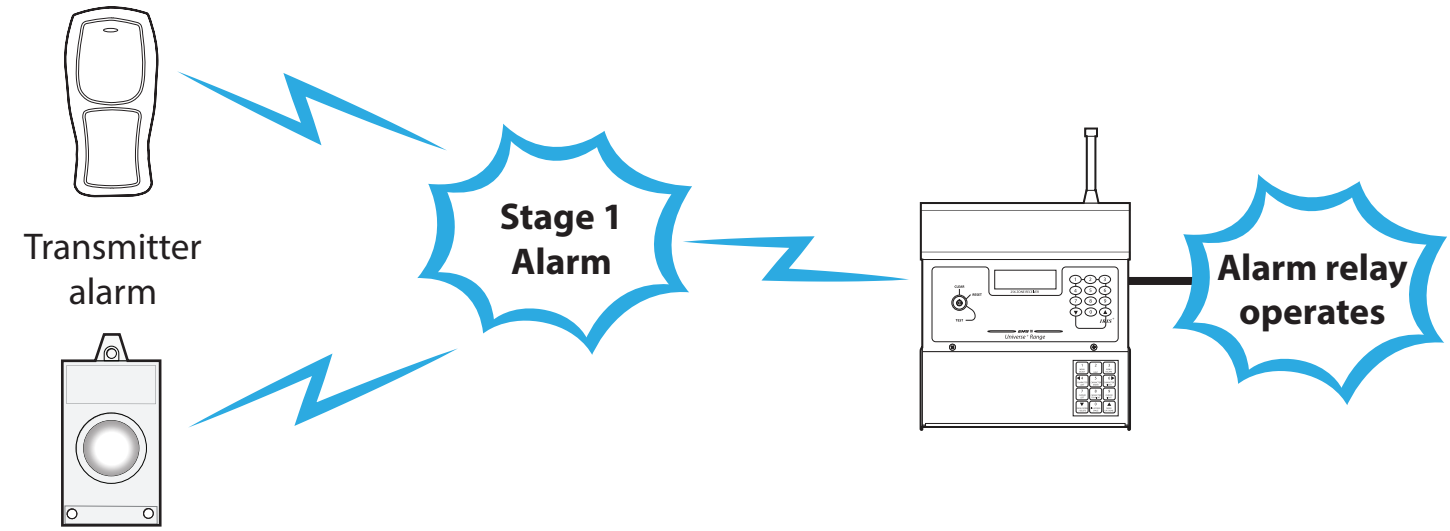
= Stage 1 alarm

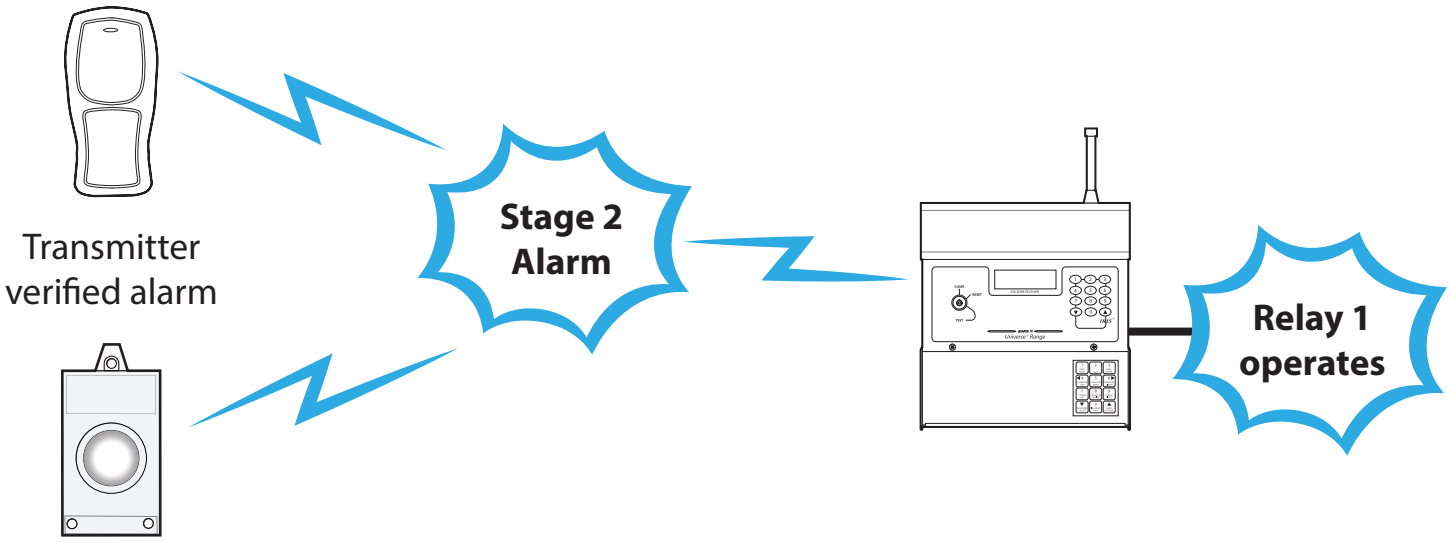
Followed by - both red buttons *(momentarily)* ****on a different device****

= Verified alarm initiated

Note: the second verified alarm activation is required within the verification time programmed. This is programmable between 8 and 20 hours.

Example configuration





Adding an opposed action transmitter

To add a 7500/2 hand push or 7972 pendant transmitter to the system as an Opposed Action Transmitter, firstly access the main menu as detailed within the 'Accessing the engineering menu' section of the Iris+ Installation Guide (MK192), then follow the steps below:

- Press the ▼ button until the screen displays:

```
|    Time and Date    |
>    Radio Setup      <
|    Output Setup     |
2 = Help        13: 45
```

- Press the 1 button. The screen will change to display:

```
|  ** Radio Setup **  |
>    Add Transmitter  <
|    Txer Details     |
2 = Help        13: 45
```

- Press the 1 button. The screen will change to display:

```
|    Add Transmitter  |
>    Add Handpush     <
|    Add Moneyclip    |
2 = Help        13: 45
```

- Press the 1 button. The screen will change to display:

```
|    Handpush Type    |
>    Opposed Action   <
|    Non-Opposed      |
2 = Help        13: 45
```

- Press the 1 button. The screen will change to display:

```
Operate Transmitter
NOW or press
Escape to cancel
                13: 46
```

- Operate the tranmitter to generate an alarm transmission. The screen will display:

```
Release all buttons
NOW

                13: 46
```

- After a short period of time the screen will change to display:

```
Operate Transmitter
Again or press
Escape to cancel
                13: 46
```

- Using the same operation, once again generate an alarm transmission. The screen will change to display:

```
Hand Push 001
Added
Push any key
                13: 46
```

You may now add additional transmitters, by repeating the above steps. If no further transmitters are to be added, then escape from this menu by pressing the 3 button and returning the key to CLEAR.

Programming the Iris+ radio rules

To set the Iris+ control panel into BS8243 mode and to select the verification time, firstly access the main menu as detailed within the 'Accessing the engineering menu' section of the Iris+ Installation Guide (MK192), then follow the steps below:

- Press the ▼ button until the screen displays:

```
|     Time and Date     |
>     Radio Setup       <
|     Output Setup      |
2 = Help          13: 47
```

- Press the 1 button. The screen will change to display:

```
|  **  Radio Setup  **  |
>    Add Transmitter    <
|     Txer Details      |
2 = Help          13: 47
```

- Press the ▼ button until the screen displays:

```
|     Txer Details      |
>    Set Radio Rules    <
|     Replace Txer      |
2 = Help          13: 47
```

- Press the 1 button. The screen will change to display:

```
|  **  Rules Menu  **   |
>  Alarm Verification   <
|       Normal A1       |
2 = Help          13: 47
```

- Press the 1 button until he screen displays:

```
|  **  Rules Menu  **   |
>  Alarm Verification   <
|      BS8243 Mode      |
2 = Help          13: 48
```

- Press the ▼ button, until the screen displays:

```
|-------------------------------|
>     Verif. Time 8Hrs        <
|-------------------------------|
2 = Help          13: 48
```

- The verification time can now be changed *if required*, by pressing the 1 button.

- Escape from this menu by pressing the 3 button and returning the key to CLEAR.

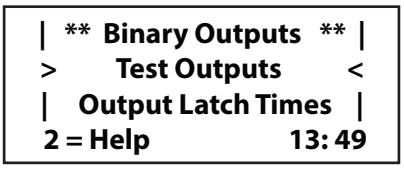
```
        System Clear

11/09/18          13: 48
```

Programming the Iris+ relay outputs

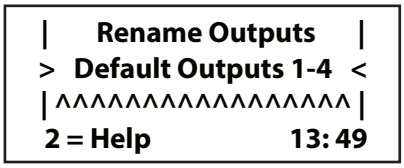
To set the Iris+ control panel's relay outputs for 2 stage alarm verification, firstly access the main menu as detailed within the 'Accessing the engineering menu' section of the Iris+ Installation Guide (MK192), then follow the steps below:

- Press the ▼ button until the screen displays:

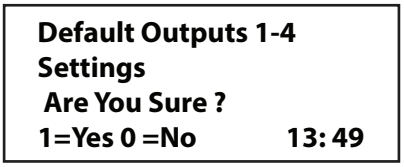
- Press the 1 button. The screen will change to display:



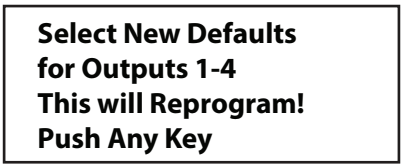
- Press the ▼ button until the screen displays:



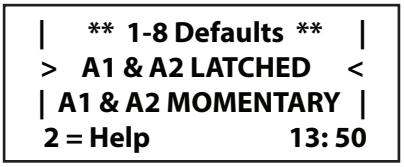
- Press the 1 button. The screen will change to display:



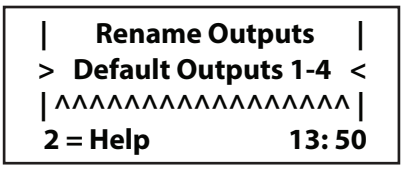
- Press the 1 button. The screen will change to display:



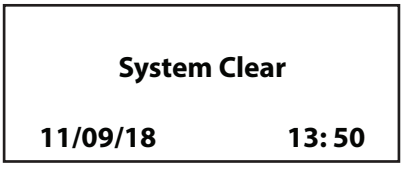
- Press the 1 button. The screen will change to display:



- Press the 1 button. The screen will change to display:



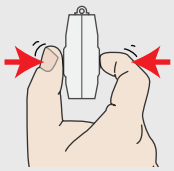
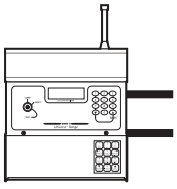
- Escape from this menu by pressing the 3 button and returning the key to CLEAR.



Default Relay Assignments	
Alarm Relay	Stage 1 Alarm
Relay 1	Stage 2 Alarm
Relay 2	Iris to Reset
Relay 2	Group Fault & Group Tamper

System testing

The system must now be tested to ensure correct operation. All transmitters should be tested.

Step 1 With the Iris key in the clear position, the screen will display:	System Clear 11/09/18 13: 51
Step 2 Press BOTH RED buttons on a transmitter to generate a first stage alarm.	
Step 3 The screen should change to show an alarm condition:	Item: 001 - At 13:51 Alarm: Hand Push 001 | ^^^^^^^^^^^^^^^^ | *HUA Alarm* 13: 51
Step 4 Check the Alarm Relay (stage 1) has changed state.	
Step 5 Press BOTH RED buttons again on a second transmitter to generate a second stage alarm.	
Step 6 The display should change to show a verified alarm conditon:	Item: 003 - At 13:52 V.Alarm: Hand Push 002 *HUA Alarm* 13: 51
Step 7 Check the Relay 1 (stage 2) has changed state.	
Step 8 Turn the key to RESET and back to the CLEAR position.	System Clear 11/09/18 13: 51
Step 9 Check that the Alarm relay and Relay 1 (stage 1 & stage 2) have both returned to their normal state.	
Step 10 Test all of the transmitters to ensure their correct operation.	

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