



**UHF IRIS RECEIVER  
TRANSMITTER & RELAY  
OUTPUT PROGRAMMING  
FOR ALARM VERIFICATION**



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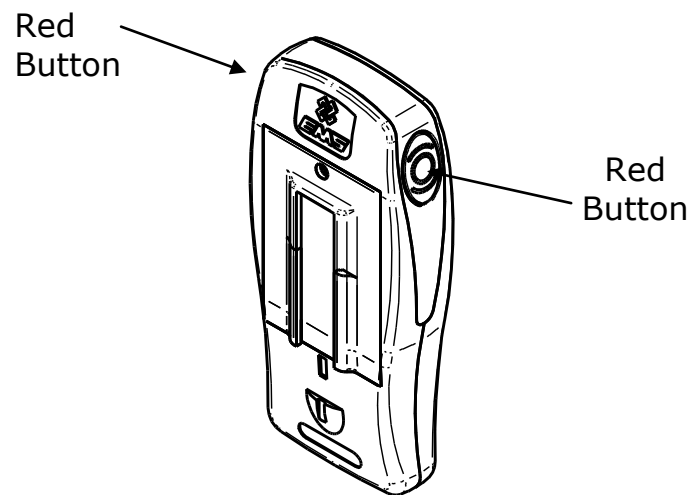
## Introduction

1.0 This instruction has been produced as a guideline for programming the IRIS receiver to include BS8243 Alarm Verification. This procedure is outlined in a step-by-step format in this document. It should be noted that this is a guideline document only. Programming can be changed if required to suit different situations. This guide line has been tailored for the verification outputs to be latching.

## Operation Overview

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

Transmitters programmed as OPPOSED ACTION handpushes.  
Radio Rules as BS8243 Mode.  
Verif Time as 8 Hrs  
Output Setup as A1 & A2 LATCHED



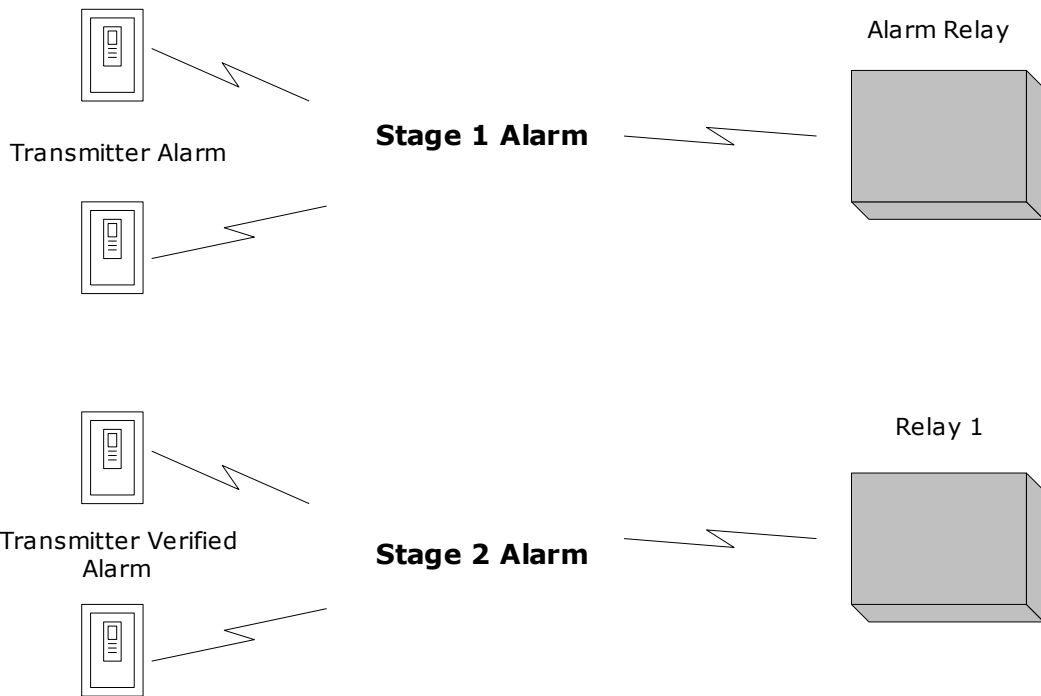
**Figure 1**

Momentarily press both RED side buttons = Stage 1 Alarm  
Release and re-press both both RED buttons and continue to hold= Verified Stage 2 Alarm after 5 seconds

Momentarily press both RED side buttons = Stage 1 Alarm  
Momentarily press both RED side buttons (from different PA Button) = Verified Stage 2 Alarm

Note: The second activation is required within the Verification Time programmed. This is programmable between 8-20Hrs.

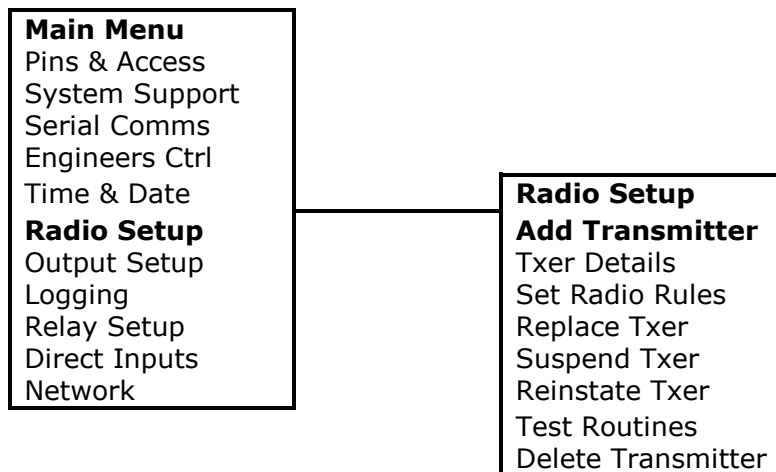
**Example Configuration**



**Adding an Opposed Action Transmitter to the System**

3.0 A step by step guide for adding an opposed action transmitter is shown below:-

**Add Transmitter Menu Structure**



3.1 To add transmitters to the system follow the steps below:

<b>Step No.</b>	<b>Action</b>	<b>Screen Display</b>
1	With the IRIS+ in its normal state with the key in the Clear position the display will show:	<div style="border: 1px solid black; padding: 5px; text-align: center;"> <p><b>System Clear</b></p> <p>01/10/93                      13:26</p> </div>
2	Turn the front panel key to reset. The screen will change to display:	<div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>*** SYSTEM RESET ***</p> <p>13:26</p> </div>
3	Press the 0 key, the screen will now change to display:	<div style="border: 1px solid black; padding: 5px; text-align: center;"> <p><b>Enter Your PIN</b> <b>For Menu &gt; _</b></p> <p>^=Done v=Del                      13:26</p> </div>
4	Enter the engineering default PIN: 221100 and press ^, the screen will change to display:	<div style="border: 1px solid black; padding: 5px; text-align: center;"> <p> ** Main Menu **  &gt; Pins &amp; Access &lt;   System Support   2=Help                      13:27</p> </div>
5	Press v five times, the screen will now display:	<div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>  Time and Date   &gt; Radio Setup &lt;   Output Setup   2 = Help                      16: 37</p> </div>
6	Press 1 (one) and the screen will change to display:	<div style="border: 1px solid black; padding: 5px; text-align: center;"> <p> ** Radio Setup **  &gt; Add Transmitter &lt;   Txer Details   2 = Help                      16:37</p> </div>
7	Press 1 (one) and the screen will change to display:	<div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>  -Add Transmitter-  &gt; Add Handpush &lt;   Add Moneyclip   2 = Help                      16:37</p> </div>
8	Press 1 (one) and the screen will change to display:	<div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>  - Handpush Type -   &gt; Opposed Action &lt;   Non-Opposed   2 = Help                      16:37</p> </div>
9	Press 1 (one) and the screen will change to display:	<div style="border: 1px solid black; padding: 5px; text-align: center;"> <p><b>Operate Transmitter</b> <b>NOW or press</b> <b>Escape to cancel</b> 16:38</p> </div>
10	Press a single button on the unit to generate a transmission and the screen will display:	<div style="border: 1px solid black; padding: 5px; text-align: center;"> <p><b>Release all buttons</b> <b>NOW</b> 16:38</p> </div>

11 After a short period of time the screen will change to display (handpush screen shown):

**Operate Transmitter**  
**Again or press**  
**Escape to cancel**  
 16:38

12 Using the same operation, once again generate a transmission, after a short period of time the screen will change to display (handpush screen shown):

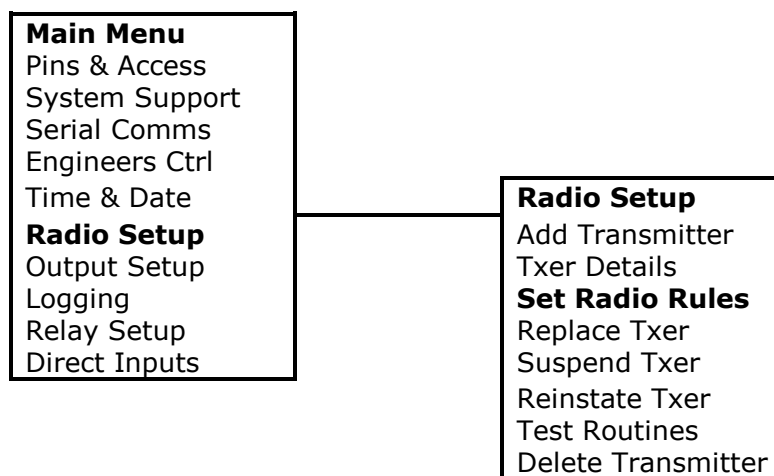
**Hand Push 001**  
**Added**  
**Push any key**      **16:38**

3.2 You may now add additional transmitters by repeating the actions in steps 5 to 11. If no further transmitters are to be added then escape from this menu by pressing the 3 (three) on the keypad or returning the key to CLEAR.

### Programming the IRIS Radio Rules for Alarm Verification

4.0 A step by step guide for programming the Radio Rules for Verification is shown below:-

#### Radio Rules Menu Structure



4.1 To set the Radio Rules for BS8243 Mode and select Verification Time follow the steps below:

Step No.	Action	Screen Display
1	With the IRIS+ in its normal state with the key in the Clear position the display will show:	<p style="margin: 0;"><b>System Clear</b></p> <p style="margin: 0;">01/10/93                      13:26</p>
2	Turn the front panel key to reset. The screen will change to display:	<p style="margin: 0;">*** <b>SYSTEM RESET</b> ***</p> <p style="margin: 0;">13:26</p>

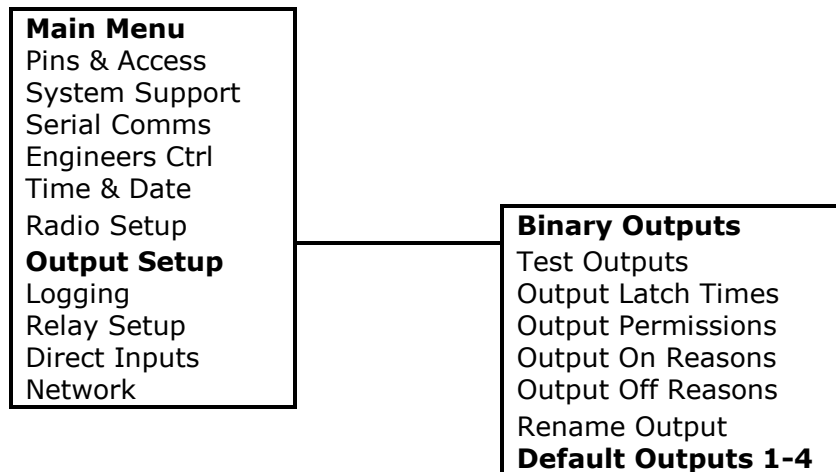
## SYSTEM 7000

- |     |   |   |
|-----|---|---|
| 3   | Press the 0 key, the screen will now change to display:   | <b>Enter Your PIN<br/>For Menu &gt; _</b><br><br>^=Done ∇=Del      13:26  |
| 4   | Enter the engineering default PIN: 221100 and press ^, the screen will change to display:                       | <b> ** Main Menu ** <br/>&gt; Pins &amp; Access &lt;<br/>  System Support  <br/>2=Help                      13:27</b>   |
| 5   | Press ∇ five times, the screen will now display:  | <b>  Time and Date  <br/>&gt; Radio Setup &lt;<br/>  Output Setup  <br/>2 = Help                      16: 37</b>        |
| 6   | Press 1 (one) and the screen will change to display:  | <b> ** Radio Setup ** <br/>&gt; Add Transmitter &lt;<br/>  Txer Details  <br/>2 = Help                      16:37</b>   |
| 7   | Press ∇ two times, the screen will now display:   | <b>  - Txer Details-  <br/>&gt; Set Radio Rules &lt;<br/>  Replace Txer  <br/>2 = Help                      16:37</b>   |
| 8   | Press 1 (one) and the screen will change to display:  | <b>  - Rules Menu -  <br/>&gt; Alarm Verification &lt;<br/>  -NORMAL A1  <br/>2 = Help                      16:37</b>   |
| 9   | Press 1 (one) three times and the screen will change to display:  | <b>  - Rules Menu -  <br/>&gt; Alarm Verification &lt;<br/>  -BS8243 Mode  <br/>2 = Help                      16:37</b> |
| 10  | Press ∇ three times, the screen will now display:   | <b>  -----  <br/>&gt; Verif. Time 8Hrs &lt;<br/>  -----  <br/>2 = Help                      16:37</b>                   |
| 11  | Goto 4.2 if 8Hrs is the correct time required or press 1 (one) to increment the timing upto a maximum of 20Hrs. |   |
| 4.2 | Escape from this menu by pressing the 3 (three) on the keypad or returning the key to CLEAR.                    |   |

## Programming the IRIS Relay Outputs for Alarm Verification

5.0 A step by step guide for programming the Relay outputs for Verification is shown below:-

### Output Menu Structure



5.1 To set the Radio Rules for 2 Stage verification follow the steps below:

Step No.	Action	Screen Display
1	With the IRIS+ in its normal state with the key in the Clear position the display will show:	<div style="border: 1px solid black; padding: 5px; text-align: center;"> <p><b>System Clear</b></p> <p>01/10/93                      13:26</p> </div>
2	Turn the front panel key to reset. The screen will change to display:	<div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>*** SYSTEM RESET ***</p> <p>13:26</p> </div>
3	Press the 0 key, the screen will now change to display:	<div style="border: 1px solid black; padding: 5px; text-align: center;"> <p><b>Enter Your PIN</b></p> <p><b>For Menus &gt; _</b></p> <p>^=Done v=Del                      13:26</p> </div>
4	Enter the engineering default PIN: 221100 and press ^, the screen will change to display:	<div style="border: 1px solid black; padding: 5px; text-align: center;"> <p> ** Main Menu ** </p> <p>&gt; Pins &amp; Access &lt;</p> <p>  System Support  </p> <p>2=Help                                      13:27</p> </div>
5	Press v six times, the screen will now display:	<div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>  Radio Setup  </p> <p>&gt; Output Setup &lt;</p> <p>  Logging  </p> <p>2 = Help                                      16: 37</p> </div>



6 Press 1 (one) and the screen will change to display:

```
|** Binary Outputs **|
> Test Outputs <
| Output Latch Times |
2 = Help 16:37
```

7 Press ▼ six times, the screen will now display:

```
| Rename Outputs |
> Default Outputs 1-4<
| ^^^^^^^^^^^^^^^^^^ |
2 = Help 16:37
```

8 Press 1 (one) and the screen will change to display:

```
Default Outputs 1-4
Settings
Are You Sure ?
1=Yes 0 =No 16:37
```

9 Press 1 (one) and the screen will change to display:

```
Select New Defaults
for Outputs 1-4
This will Reprogram!
Push Any Key
```

10 Press 1 (one) and the screen will change to display:

```
** 1-8 Defaults **
> A1 & A2 LATCHED <
| A1 & A2 MOMENTARY|
2 = Help 16:37
```

11 Press 1 (one) and the screen will change to display:

```
| Rename Outputs |
> Default Outputs 1-4<
| ^^^^^^^^^^^^^^^^^^ |
2 = Help 16:37
```

5.2 Escape from this menu by pressing the 3 (three) on the keypad or returning the key to CLEAR.

<b>Default Relay Assignments</b>	
Alarm Relay	Stage 1 Alarm
Relay 1	Stage 2 Alarm
Relay 2	IRIS to Reset
Relay 3	Group Fault & Group Tamper

