



# Bureau of Land Management Radio Configuration Standards 2007

## Thales Handheld Radio Models 501/3/4/5/6

### **Button Configuration (*Required*):**

Toggle Switch Position A	Scan ON/Priority ON
Toggle Switch Position B	Scan ON
Toggle Switch Position C	Scan OFF
Emergency (Red)	Optional (may only be used for emergency signaling)
Function Key F1	Monitor
Function Key F2	Optional (Disabled or Zone Select)
Function Key F3	Hi/Low Power

**503/5/6 Firmware Version (*Required*):** 8.2

**501 Firmware Version (*Required*):** 5.12

**501/3/4/5/6 Fire Features Option:** Required for Fire Radios

**Programming Software Version (*Required*):** 5.0

### **Radio Software Configuration (*Recommended*):**

Squelch setting:	02 (II)
Scan Delay setting:	2 seconds
Scan Reply setting:	3 seconds
Monitor Timer setting:	20 seconds
Priority Interval Timer setting:	1.5 seconds
Squelch Revert Mode setting:	Last selected
Transmit Timeout setting:	90 seconds

### **Accessory Configurations (*Required*):**

Battery Charger Firmware Version: 2.10E



# Bureau of Land Management Radio Configuration Standards 2007

## EF Johnson Handheld Radio Model 5100

### Button Configuration (*Required*):

Switch position A	Scan Off
Switch position B	Scan On
Switch position C	Scan On
Emergency (Orange)	Optional (may only be used for emergency signaling)
Left side Auxiliary 1	Disabled
Left side Auxiliary 2	Keypad Lockout
Left side Auxiliary 3	Hi/Low Power
Front of radio F1	Fixed (Exit Program Functions)
Front of radio F2	Fixed (Menu and Add/Delete Scan)
Front of radio F3	Scan List Select
Front of radio F4	Display
* Key	Optional (disabled or any function)
# Key	Optional (disabled or any function)

<b>Non-SEM Flash Version (<i>Required</i>):</b>	1.18.15
<b>Non-SEM Boot Version (<i>Required</i>):</b>	1.13.0
<b>SEM Flash Version (<i>Required</i>):</b>	2.8.15
<b>SEM Boot Version (<i>Required</i>):</b>	2.4.0
<b>UCM Flash Version (<i>Required</i>):</b>	3.8.14
<b>UCM Boot Version (<i>Required</i>):</b>	3.4.0
<b>X Flash Version (<i>Required</i>):</b>	4.4.27
<b>X Boot Version (<i>Required</i>):</b>	4.2.0

Finding the version number - Turn on the radio and check the displayed version number at power up (after the logo).  
Non-SEM = V 1.x.x      SEM = V 2.x.x      UCM = V 3.x.x      X = V 4.x.x

<b>Radio Programming Software All Models (<i>Required</i>):</b>	1.28.0.9
<b>Radio PC Tune Software All Models (<i>Required</i>):</b>	2.0.2.3

**Radio Software Configuration (*Recommended*):** Squelch setting - 0

### Soft Key Programming functions (*Required minimum*):

Keypad Programming    Cloning    Scan Edit

**Accessory Configurations:**                      NA



# Bureau of Land Management Radio Configuration Standards 2007

## Relm/BK Handheld Radio Models

### Button Configuration (*Required*):

Left toggle	Low Power
Center toggle	Channel Scan
Right toggle	Priority Scan

<b>DPHx Option Board Version (<i>Required</i>):</b>	31688543
<b>DPHx System Board Version (<i>Required</i>):</b>	30FB1F53
<b>DPH Option Board Version (<i>Required</i>):</b>	30428112
<b>DPH System Board Version (<i>Required</i>):</b>	2F2383C1
<b>DPH Expanded Frequency Operations:</b>	Required
<b>GPH Flash Firmware Version (<i>Required</i>):</b>	2F145109
<b>EPH Firmware Version:</b>	NA

Finding the version number - Turn on the radio and then press and hold the "0" key to see the Option Board version number. Press and hold the "1" key to see the System Board version number.

<b>DPH Radio Programming Software (<i>Required</i>):</b>	3.3.1
<b>GPH Radio Programming Software (<i>Required</i>):</b>	2.5.0
<b>EPH Radio Programming Software (<i>Required</i>):</b>	1.1.6

**Radio Software Configuration:** NA

**Accessory Configurations:** NA



# Bureau of Land Management Radio Configuration Standards 2007

## Datron Guardian Handheld Radio Models

### **Button Configuration (*Required*):**

Toggle Switch Position A	Scan ON/Priority ON
Toggle Switch Position B	Scan ON
Toggle Switch Position C	Scan OFF
Emergency (Orange)	Optional (may only be used for emergency signaling)
Function Key F1	Monitor
Function Key F2	Optional (disabled or Zone Select)
Function Key F3	Hi/Low Power

**Firmware Version (*Required*):** 7.3

**Radio Programming Software (*Required*):** 3.2.2.40

### **Radio Software Configuration (*Recommended*):**

Squelch setting:	02 (II)
Scan Delay setting:	2 seconds
Scan Reply setting:	3 seconds
Monitor Timer setting:	20 seconds
Priority Interval Timer setting:	1.5 seconds
Squelch Revert Mode setting:	Last selected
Transmit Timeout setting:	90 seconds

**Accessory Configurations:** NA



# Bureau of Land Management Radio Configuration Standards 2007

## EF Johnson Mobile Radio Model 5300

### Button Configuration (*Recommended*):

#### *Dash Mount*

Function Key F1 (Red)	Optional (may only be used for emergency signaling)
Function Key F2	Keypad Programming
Function Key F3	Monitor
Function Key F4	Display
Function Key F5	Scan Edit
Function Key F6	Scan On/Off

#### *Handheld Control Unit*

Emergency	Optional (may only be used for emergency signaling)
Clear/Secure	Encryption Enabled/Disabled
Function Key F1	Keypad Programming
Function Key F2	Monitor
Function Key F3	Display
Function Key F4	Scan Edit
Function Key F5	Scan On/Off
* Key	Optional (disabled or any function)
# Key	Optional (disabled or any function)

<b>HC08 Flash Version (<i>Required</i>):</b>	NA
<b>HC08 Boot Version (<i>Required</i>):</b>	NA
<b>ARM Flash Version (<i>Required</i>):</b>	1.32.5
<b>ARM DSP Version (<i>Required</i>):</b>	1.64
<b>ARM 816 Boot Version (<i>Required</i>):</b>	1.10
<b>ARM 416 Boot Version (<i>Required</i>):</b>	1.11
<b>5300X PPC Version (<i>Required</i>):</b>	4.6.6
<b>5300X Boot Version (<i>Required</i>):</b>	4.0

<b>HC08 Programming Software (<i>Required</i>):</b>	1.22.0.4
<b>ARM Programming Software (<i>Required</i>):</b>	1.28.0.08
<b>HC08 PC Tune Software (<i>Required</i>):</b>	2.8.0
<b>ARM PC Tune Software (<i>Required</i>):</b>	2.0.2.3

**Radio Software Configuration (*Recommended*):** Squelch setting - 0

**Soft Key Programming functions (*Required minimum*):** NA

**Accessory Configurations:** NA



# Bureau of Land Management Radio Configuration Standards 2007

## Relm/BK Mobile Radio Model DMH

### Button Configuration (*Recommended*):

#### *Dash Mount*

MON	Monitor
SCN	Channel Scan
PRI	Priority Scan
GRP	Group/Zone Select
—	Optional (disabled or any function)

#### *Remote Control Head*

MON	Monitor
SCN	Channel Scan
PRI	Priority Scan
GRP	Group/Zone Select
—	Optional (disabled or any function)

**DMH Radio Programming Software (*Required*):** 1.0.0

**Radio Software Configuration:** NA

**Accessory Configurations:** NA



# Bureau of Land Management Radio Configuration Standards 2007

## Radio Tone Pick List

RS-220-A EIA Standard CTCSS Tones

<b>Tone #</b>	<b>Tone</b>
1	110.9 Hz
2	123.0 Hz
3	131.8 Hz
4	136.5 Hz
5	146.2 Hz
6	156.7 Hz
7	167.9 Hz
8	103.5 Hz
9	100.0 Hz
10	107.2 Hz
11	114.8 Hz
12	127.3 Hz
13	141.3 Hz
14	151.4 Hz
15	162.2 Hz
16	192.8 Hz