4312 - REPEATER CONFIGURATION:
1. Connect the power cable to batteries using provided fused cable.
2. Turn Power Switch to the "ON" position on the System Monitor.
3. Keep the switches on TX A and RX A in the "NORM" position.
4. Keep the switches on TX B and RX B in the "OFF" position. (Stand Alone Repeater Configuration- No Linking)
5. Keep the MIC MODE switch on both TX A and TX B in the "ANALOG" position.
6. Keep the Audio Select Switch on System Monitor Module to the center position.
7. Select the desired tone by turning Switch A knob located on the top portion of the CI-RC-4L Card to assigned tone. {16 Position Knob, 1-16)

(See Tone Selection List Below)

Note: Selecting Tone will Enable tone on Both TXA and RXA Modules

Switch A - Tone Selection List
Position 1 - Tone 1 - 110.9
Position 2 - Tone 2 - 123.0
Position 3 - Tone 3 - 131.8
Position 4 - Tone 4 - 136.5
Position 5 - Tone 5 - 146.2
Position 6 - Tone 6 - 156.7
Position 7 - Tone 7 - 167.9
Position 8 - Tone 8 - 103.5
Position 9 - Tone 9 - 100.0
Position 10 - Tone 10 - 107.2
Position 11 - Tone 11 - 114.8
Position 12 - Tone 12 - 127.3
Position 13 - Tone 13 - 141.3
Position 14 - Tone 14 - 151.4
Position 15 - Tone 15 - 162.2
Position 16 - No Tone
DANIELS COMMAND REPEATER LINK
SWITCH SETTING
(4312-REPEATER LINK CONFIGURATION)

4312 - REPEATER/LINK CONFIGURATION:
1. Connect the power cable to batteries using provided fused cable.
2. Turn Power Switch to the "ON" position on the System Monitor.
3. Keep switches on TX A, RX A, TXB, and RXB in “NORM” position
4. Keep Audio Select Switch on System Monitor Module to center position.
5. Keep the MIC MODE switch on both TX A and TX B in the ANALOG position.
6. Select desired tone by turning the Switch A knob located on the top portion of the CI-RC-4L Card to assigned tone. (16 Position Knob, 1-16)
7. Select desired UHF frequency by turning the Switch B knob to assigned UHF Frequency. (16 Position Knob, 1-16)

(See Tone Selection List Below)

Note: Selecting Tone will Enable tone on Both TXA and RXA Module

Switch A - Tone Selection List

Position 1 - Tone 1 - 110.9
Position 2 - Tone 2 - 123
Position 3 - Tone 3 - 131.8
Position 4 - Tone 4 - 136.5
Position 5 - Tone 5 - 146.2
Position 6 - Tone 6 - 156.7
Position 7 - Tone 7 - 167.9
Position 8 - Tone 8 - 103.5
Position 9 - Tone 9 - 100.0
Position 10 - Tone 10 - 107.2
Position 11 - Tone 11 - 114.8
Position 12 - Tone 12 - 127.3
Position 13 - Tone 13 - 141.3
Position 14 - Tone 14 - 151.4
Position 15 - Tone 15 - 162.2
Position 16 - No Tone

Switch B - UHF Frequency Selection List

Position 1 - L1 RPT
Position 2 - L2 RPT
Position 3 - L3 RPT
Position 4 - L4 RPT
Position 5 - L5 RPT
Position 6 - L6 RPT
Position 7 - L7 RPT
Position 8 - L8 RX SIMPLEX
Position 9 - L9 RX SIMPLEX
Position 10 - L3 RX SIMPLEX
Position 11 - L4 RX SIMPLEX
Position 12 - L5 RX SIMPLEX
Position 13 - L6 RX SIMPLEX
Position 14 - L7 RX SIMPLEX
Position 15 - Special Use, SIMPLEX
Position 16 - Special Use, SIMPLEX

Close Up View
Switch A, Switch B
CI-RC-4L Card

National Interagency Fire Center
National Interagency Incident Communications Division

NIFC Switch Settings for Daniels Command Repeater and UHF Link (4312 - Repeater/Link Configuration)

Designed by: NII CD
Drawn by: NII CD/J. Lopez
Date: September, 2010
4248 - UHF REPEATER CONFIGURATION:
1. Connect the power cable to batteries using provided fused cable.
2. Turn Power Switch to the "ON" position on the System Monitor.
3. Keep power switches on TX A and RX A in "NORM" position.
4. Keep Mic Mode on TX A in the "ANALOG" position.
5. Keep Audio Select Switch on System Monitor Module to center position.

*Note: No Tones are available on the Logistics repeater.*
4370 - AIRCRAFT BASE CONFIGURATION:
1. Keep both CTCSS switches located on the AC-3E module in the “OFF” (Down) position.
2. Keep power switches on the TX A and RX A in “NORM” position.
3. Keep power switches on the TX B and RX B in “OFF” position.
4. Keep the Audio Select Switch on System Monitor Module in the A position to activate the internal speaker, and place the rotary switch on the System Monitor to position #1.
5. Select correct AM frequency for TX A and RX A using the 16 position rotary switch A on the AC-3E Module. (Top Rotary Switch, 16 Position Knob: 1-16)

Note: For Special AM frequencies, select channel 16 on rotary switch A to manually program the AM TX and RX modules. (Top Rotary Switch)
6. Connect the Microphone to the “MIC” jack on AM TX A.

Note: EXTERNAL Speaker may be used by connecting the speaker leads to the System Monitor “METER” jacks, observe correct polarity.

Place rotary switch on the System Monitor to position #1 for EXTERNAL Speaker ONLY.

Note: Programming Authorized Special AM frequency into Channel 16:
1. Turn rotary Switch A (top rotary switch) on the Audio Control Module to Channel 16.
2. Unlock the unit by pressing the "**" button and, before the "Locked" display goes blank, press the "#" button. The display should now show "Unlocked".
3. Wait for the display to blank, then press either the "#" or "*" button to display the current programmed frequency.
4. While the display is showing the frequency, press and hold either the "#" or "*" until the desired frequency is reached.

Note: The AM transmitter and receiver modules must be individually programmed.
The unit is now ready for base station operation.
**DANIELS AIRCRAFT LINK SWITCH SETTINGS**

(4370 - AIRCRAFT LINK CONFIGURATION)

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**4370 - AIRCRAFT LINK CONFIGURATION:**

1. Keep both CTCSS switches located on the AC-3 module in the "OFF" position.
2. Keep power switches on TX A, RX A, TX B, and RX B in the "NORM" position.
3. Keep the MIC MODE on TX B in the ANALOG position.
4. Keep Audio Select Switch on the System Monitor Module to center position.
5. Select the correct assigned AM frequency for TX A and RX A using the 16 position rotary switch A on the AC-3E Module. (Top Rotary Switch, 16 position knob: 1-16)
6. Select the correct assigned FM UHF Link frequency for TX B and RX B using the 16 position rotary switch B on the AC-3E Module. (Bottom Rotary Switch)

**Note:** For Special AM frequencies, select channel 16 on rotary switch A to program the AM TX and RX modules. (Top Rotary Switch)

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**National Interagency Fire Center**

**National Interagency Incident Communications Division**

**NIFC Switch Settings for Daniels Aircraft Link**

(4370 - Aircraft Link Configuration)

**Designed by:** NICCD

**Drawn by:** NiICD/J. Lopez

**Date:** December, 2010

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Page 5 of 5

NIICD Daniels Equipment Switch Settings, 2010