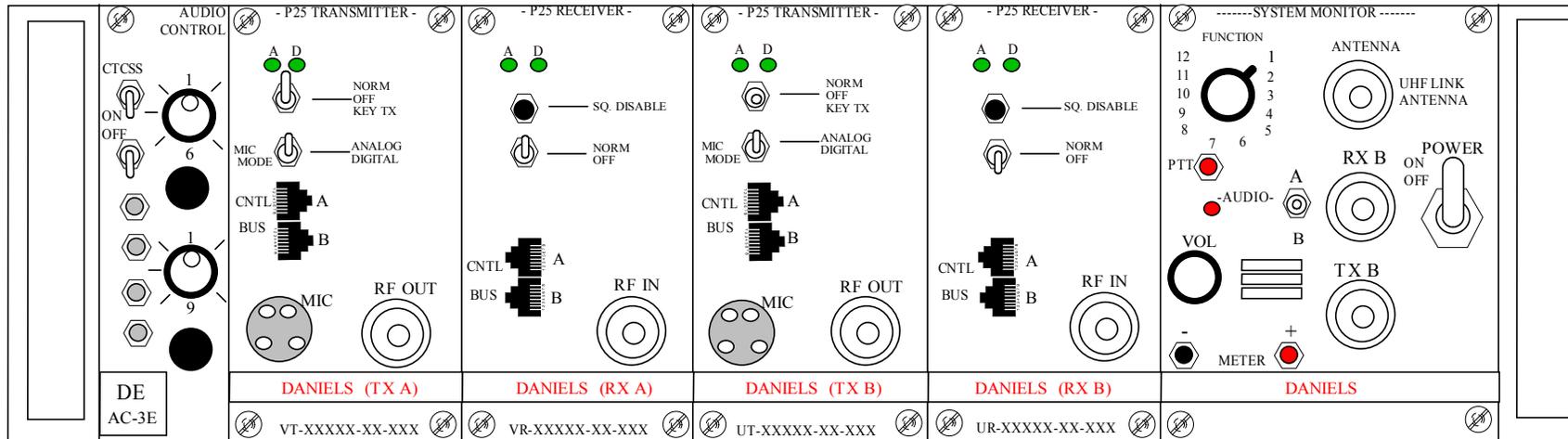




# NORMAL SWITCH SETTINGS FOR DANIELS COMMAND REPEATER AND UHF LINK (REPEATER CONFIGURATION)



## REPEATER CONFIGURATION:

- Connect power cable to batteries using provided fused cable.
- Turn Power Switch to the "ON" position on the System Monitor.
- Keep both toggle switches in the "OFF" position on the AC-3E Module, if no tones are being used.
- Keep switches on TX A and RX A in "NORM" position
- Keep switches on TX B and RX B in "OFF" position.
- Keep Audio Select Switch on System Monitor Module to center position.
- Connect VHF Antenna Coax to Duplexer.

**NOTE: FOR CTCSS DECODE OPERATION, TURN CTCSS TOGGLE SWITCH (TOP TOGGLE SWITCH) TO "ON" POSITION AND SELECT DECODE FREQUENCY WITH THE 10 POSITION ROTARY SWITCH (TOP ROTARY SWITCH); SEE CTCSS FREQUENCY CHART.**

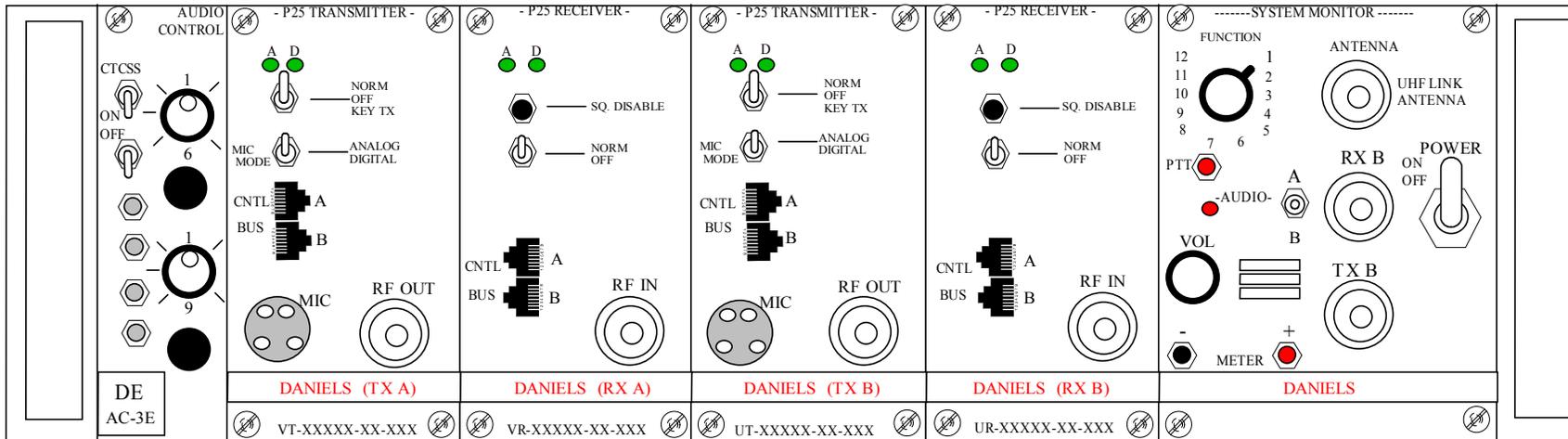
### CTCSS TONES:

1. 110.9
2. 123.0
3. 131.8
4. 136.5
5. 146.2
6. 156.7
7. 167.9
8. 103.5
9. 100.0
10. 107.2

|   |                |
|---|----------------|
| <b>National Interagency Fire Center</b><br>U.S. Department of Agriculture,<br>U.S. Forest Service/U.S. Department of Interior,<br>Bureau of Land Management |                |
| <b>NIFC Switch Settings for Daniels Command Repeater and UHF Link (Page 1 Repeater Configuration)</b>   |                |
| <b>Designed by:</b>   | NIFC           |
| <b>Drawn by:</b>  | NIFC/J. Lopez  |
| <b>Date:</b>  | December, 2007 |



# NORMAL SWITCH SETTINGS FOR DANIELS COMMAND REPEATER AND UHF LINK (REPEATER/LINK CONFIGURATION)



## REPEATER/LINK CONFIGURATION:

- Connect power cable to batteries using provided fused cable.
- Turn Power Switch to the "ON" position on the System Monitor.
- Keep both toggle switches in the "OFF" position on the AC-3E Module, if no tones are being used.
- Keep switches on TX A, RX A, TX B, and RX B in the "NORM" position.
- Keep Audio Select Switch on System Monitor Module to center position.
- Select correct UHF Link frequency with 16 position rotary switch on the AC-3E Module. (Bottom Rotary Switch)
- Connect UHF Antenna cable to UHF Antenna connector on System Monitor Module.

**NOTE: FOR CTSS DECODE OPERATION, TURN CTSS TOGGLE SWITCH (TOP TOGGLE SWITCH) TO "ON" POSITION AND SELECT DECODE FREQUENCY WITH THE 10 POSITION ROTARY SWITCH (TOP ROTARY SWITCH); SEE CTSS FREQUENCY CHART.**

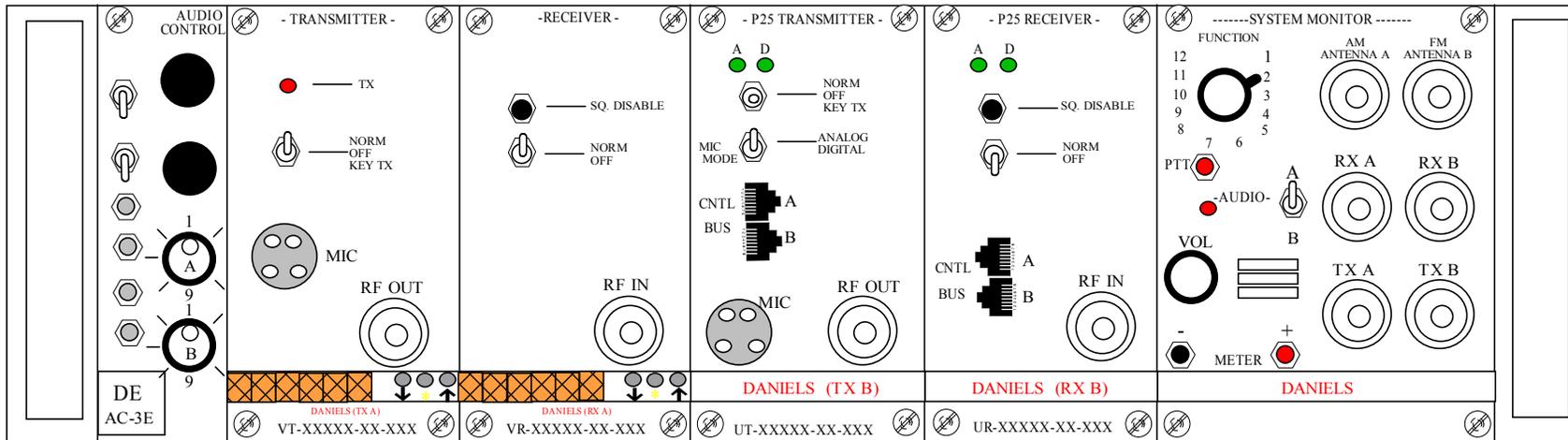
### CTSS TONES:

1. 110.9
2. 123.0
3. 131.8
4. 136.5
5. 146.2
6. 156.7
7. 167.9
8. 103.5
9. 100.0
10. 107.2

|   |                |
|---|----------------|
| <b>National Interagency Fire Center</b><br>U.S. Department of Agriculture,<br>U.S. Forest Service/U.S. Department of Interior,<br>Bureau of Land Management |                |
| <b>NIFC Switch Settings for Daniels Command Repeater and<br/>         UHF Link (Page 2 Repeater/Link Configuration)</b>                                     |                |
| <b>Designed by:</b>   | NIICD          |
| <b>Drawn by:</b>  | NIICD/J. Lopez |
| <b>Date:</b>  | December, 2007 |



# NORMAL SWITCH SETTINGS FOR DANIELS AIRCRAFT LINK (AIRCRAFT BASE CONFIGURATION)



## AIRCRAFT BASE CONFIGURATION:

- Keep both CTCSS switches in the "OFF" position on the AC-3E Module.
  - Keep switches on TX A and RX A in "NORM" position/ Keeping switches on TX B and RX B in "OFF" position.
  - 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 in position # 2.
  - Select correct AM frequency for TX A and RX A using the 16 position rotary switch on the AC-3E Module. (Top Rotary Switch)
  - For Special AM frequencies, select **channel 16** on rotary switch to program the AM TX and RX modules. (Top Rotary Switch)
  - Connect Microphone to "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**.

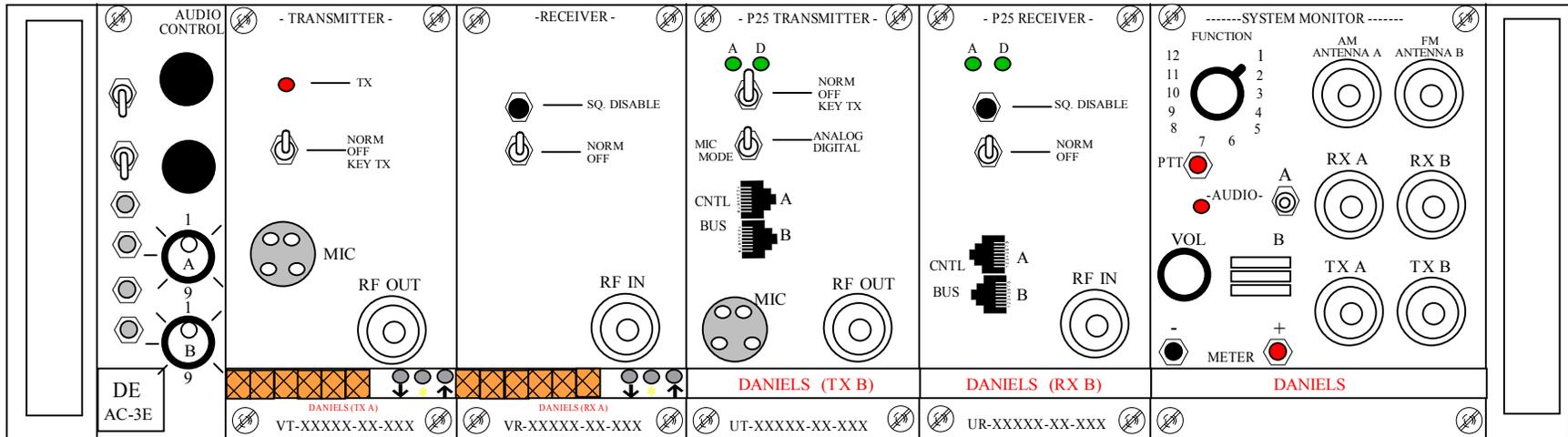
## Note: Programming Authorized AM frequency into Channel 16:

- Turn rotary Switch A (top rotary switch) on the Audio Control Module to Channel 16.
- Unlock the unit by pressing the "\*" button and, before the "Locked" display goes blank, press the "↓" button. The display should now show "Unlocked".
- Wait for the display to blank, then press either the "↑" or "↓" button to display the current programmed frequency.
- While the display is showing the frequency, press and hold either the "↑" or "↓" until the desired frequency is reached.
- The AM transmitter and receiver modules must be individually programmed.**
- The unit is now ready for base station operation.

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| <b>National Interagency Fire Center</b><br>U.S. Department of Agriculture,<br>U.S. Forest Service/U.S. Department of Interior,<br>Bureau of Land Management |                |
| <b>NIFC Switch Settings for Daniels Aircraft Link</b><br>(Page 1 Aircraft Base Configuration)   |                |
| <b>Designed by:</b>   | NIICD          |
| <b>Drawn by:</b>  | NIICD/J. Lopez |
| <b>Date:</b>  | December, 2007 |



# NORMAL SWITCH SETTINGS FOR DANIELS AIRCRAFT LINK (AIRCRAFT LINK CONFIGURATION)



## AIRCRAFT LINK CONFIGURATION:

- Keep both CTCSS switches in the "OFF" position on the AC-3 Module.
  - Keep switches on TX A, RX A, TX B, and RX B in the "NORM" position.
  - Keep Audio Select Switch on System Monitor Module to center position.
  - 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)
  - Select correct 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)

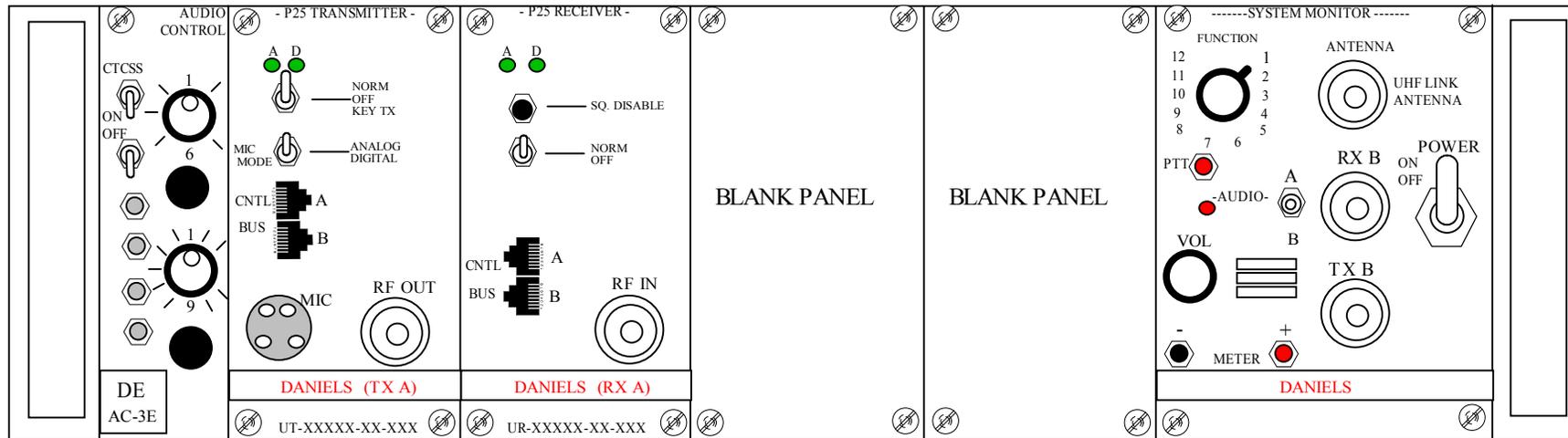
## **Note: Programming Authorized AM frequency into Channel 16:**

- Turn rotary Switch A (top rotary switch) on the Audio Control Module to Channel 16.
  - Unlock the unit by pressing the "\*" button and, before the "Locked" display goes blank, press the "↓" button. The display should now show "Unlocked".
  - Wait for the display to blank, then press either the "↓" or "↑" button to display the current programmed frequency.
  - While the display is showing the frequency, press and hold either the "↓" or "↑" until the desired frequency is reached.
- The AM transmitter and AM receiver modules must be individually programmed.**

|   |                |
|---|----------------|
| <b>National Interagency Fire Center</b><br>U.S. Department of Agriculture,<br>U.S. Forest Service/U.S. Department of Interior,<br>Bureau of Land Management |                |
| <b>NIFC Switch Settings for Daniels Aircraft Link</b><br>(Page 2 Aircraft Link Configuration)   |                |
| <b>Designed by:</b>   | NICCD          |
| <b>Drawn by:</b>  | NICCD/J. Lopez |
| <b>Date:</b>  | December, 2007 |



# NORMAL SWITCH SETTINGS FOR DANIELS LOGISTICS REPEATER (REPEATER CONFIGURATION)



## REPEATER CONFIGURATION:

- Connect power cable to batteries using provided fused cable.
- Turn Power Switch to the "ON" position on the System Monitor.
- Keep both toggle switches in the "OFF" position on the AC-3E Module, if no tones are being used.
- Keep switches on TX A and RX A in "NORM" position.
- Keep Audio Select Switch on System Monitor Module to center position.
- Connect UHF Repeater Antenna to Duplexer.

**Note:** UHF Link Antenna is not used in repeater configuration.

**NOTE:** FOR CTCSS DECODE OPERATION, TURN CTCSS TOGGLE SWITCH (TOP TOGGLE SWITCH) TO "ON" POSITION AND SELECT DECODE FREQUENCY WITH THE 10 POSITION ROTARY SWITCH (TOP ROTARY SWITCH); SEE CTCSS FREQUENCY CHART.

## CTCSS TONES:

- 110.9
- 123.0
- 131.8
- 136.5
- 146.2
- 156.7
- 167.9
- 103.5
- 100.0
- 107.2

|  |                |
|--|----------------|
| <b>National Interagency Fire Center</b><br><b>U.S. Department of Agriculture,</b><br><b>U.S. Forest Service/U.S. Department of Interior,</b><br><b>Bureau of Land Management</b> |                |
| <b>NIFC Switch Settings for Daniels Logistics Repeater</b>   |                |
| <b>Designed by:</b>  | NIICD          |
| <b>Drawn by:</b>   | NIICD/J. Lopez |
| <b>Date:</b>   | December, 2007 |