

11. Changing the set-up options

Some of the set-up options in this section can be completed by the user, others must only be carried out by qualified personnel, either at the Codan factory or by a Codan agent. A statement is made in the procedure whenever qualified personnel are required.

All displays in this section show examples of channel and frequency numbers. You must insert your selected channel and frequency numbers.

Set-up option links

Some of the set-up procedures may need a link to be moved inside the transceiver, while some need a link soldered inside the transceiver. The moveable link is called the front panel link (refer to figure 11.1), the soldered link is called the microprocessor link (refer to figure 11.2).

To complete set-up procedures on transceivers with program (EPROM) issue numbers prior to 4.1, the front panel link will have to be moved. To check the issue number, refer to the *Review the EPROM version and options* procedure in section 4.



The front panel link

The front panel link is located on the front panel display printed circuit board (PCB) assembly.

On front panel control transceivers, the PCB (part number 08-03745-001) is located behind the numeric buttons and display. The link is located on a row of four horizontally mounted pins on the PCB (figure 11.1), immediately behind the number 9 button.

On extended control transceivers, the PCB (part number 08-04666-001) is located inside the control head. The link is located on a row of four vertically mounted pins on the PCB (figure 11.1), immediately behind the number 7 button.

The front panel link can fit into four positions on the PCB, only three of which are used:

- 2** not used
- 1** used for set-up options
- F** used for front panel control transceivers
- E** used for extended control head transceivers.

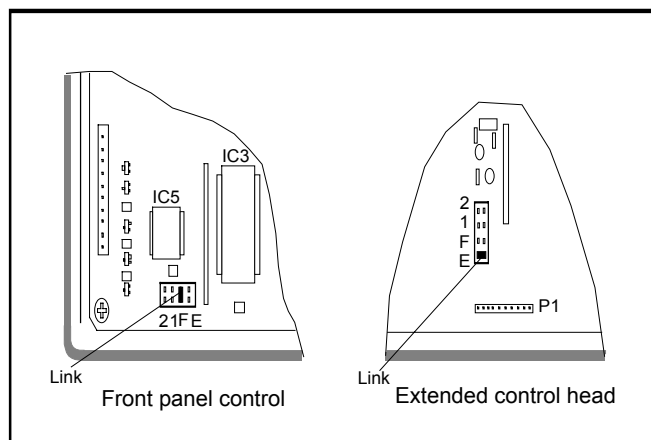


Figure 11.1: The front panel link

Changing the position of the front panel link

The front panel link is a black plastic moulding incorporating linked metal contacts. The contacts short together pins located on the front panel display PCB.



Extreme care should be taken when handling the transceiver to prevent damage to the components.

Step	Action
1.	Turn the transceiver off and disconnect the power.
2.	Remove either: <ul style="list-style-type: none">• the bottom cover of front panel control transceivers• the control head rear panel of extended control head transceivers.
3.	Make a note of the position you found the link (E or F). Move the front panel link from position F (front panel control) or E (extended control head) to position 1.
4.	You can now carry out the relevant set-up procedures.
5.	After completing the set-up procedures, turn the transceiver off and disconnect the power before returning the link to its original position.
6.	Replace the cover before reconnecting the power to your transceiver. Your transceiver is now ready for normal use.



The microprocessor PCB link

The microprocessor link is one that you will have to make and solder on the microprocessor PCB. The PCB (part number 08-03741-001) is positioned on the underside of the transceiver.

The link must only be soldered across the number 2 pads as shown in figure 11.2. A link soldered across pads 2 (called the inhibit link) prevents you from changing the inhibit set-up options on P-channel programming.

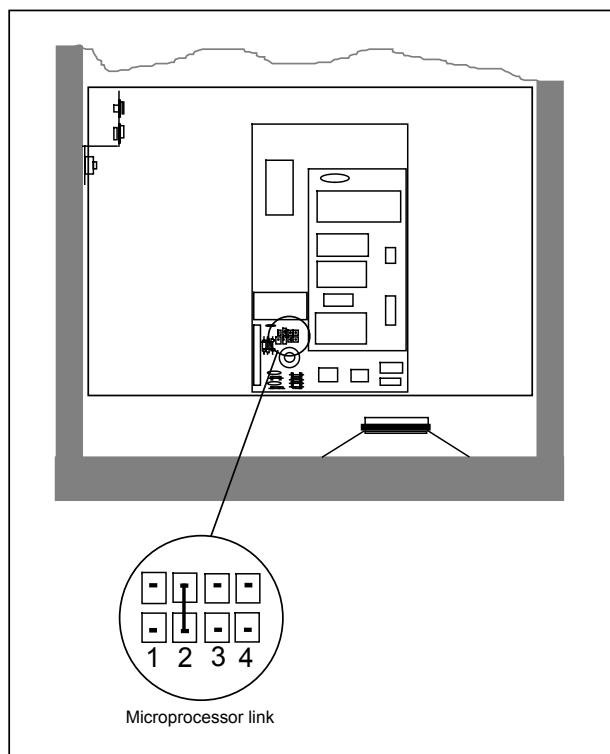


Figure 11.2: The microprocessor link

Inserting the microprocessor PCB link



Extreme care should be taken when handling the transceiver to prevent damage to the components.




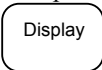
This procedure must only be carried out by a qualified technician.

Step	Action
1.	Turn the transceiver off and disconnect the power.
2.	Lay the transceiver on its top with the front panel facing you.
3.	Remove the bottom cover of the transceiver.
4.	Locate the microprocessor PCB and the number 2 pads (refer to figure 11.2). The link must only be fitted across pads 2. Pads 1, 3 & 4 are not used.
5.	Solder a suitable piece of wire across pads 2 (the Inhibit link).
6.	Carry out the relevant set-up procedures.
7.	After completing the set-up procedure, turn the transceiver off and disconnect the power before removing the link.
8.	Replace the cover before reconnecting the power to the transceiver. The transceiver is now ready for normal use.



Reviewing set-up options

This facility allows you to see what set-up options have been enabled with the transceiver. You can review the set-up options at any time. This procedure does not require you to move or install links in your transceiver.

Step	Action...	Display shows...	Remarks...
1.	Ensure your transceiver is off.	No display.	
2.	Hold down  and press 	Hold down the Display button until the display shows 	The display starts with the scan set-up option.
3.	To scroll through the options press 	Shows each option.	Each press of the Display button scrolls to the next option. SCAN prog ENAbLE CHAN No inhib diSP S-CALL ENAbLE diSP CALL LONG diSP Addr CALL diSP Addr SELF diSP bEACON ON diSP t1 Hi Lo diSP t2 Hi Lo diSP t3 Hi Lo diSP t4 Hi Lo Ptt CutOut diSP bEEPS loud CALL PHONE OFF Ant Contrl CHAN or bANd





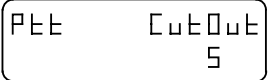
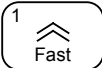
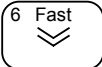
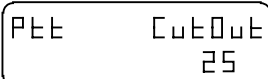


Step	Action...	Display shows...	Remarks...
4.	To exit the review mode and resume normal operations, press the PTT button.		




PTT timer

This facility stops the transceiver from being left on in the transmit state. If the transmit time exceeds the PTT timer setting, the transceiver reverts to the receive mode and an error message is displayed.

The timer is set at the factory to 10 minutes. You may turn this facility off, or vary the time, in five minute intervals, between 5 and 35 minutes.

Step	Action...	Display shows...	Remarks...
1.	Turn the transceiver off and move the front panel link to position 1.	No display.	Before moving the link, note its original position. Refer to the procedure on page 11-3.
2.	Hold down  and press 	Hold the Tune button down until the display shows 	This turns the transceiver on, and into the PTT timer set-up mode.
3.	Press  or 		The PTT time out time can be changed from 5 to 35 minutes. Press either the  or  buttons to increase or decrease the time. Stop at the setting you require.



Step	Action...	Display shows...	Remarks...
4.	Press 	No display.	Your selection has been made and the transceiver is now switched off.
5.	Return the front panel link to its original position (F or E).		Refer to the procedure on page 11-3.
6.	Replace the cover before switching on your transceiver.		Refer to the procedure on page 11-3.

Note: The PTT timer does not operate when operating through the option PS connector.



Enter a PIN (Personal Identification Number)





If you select a PIN for the transceiver, you will have to enter this PIN each time you switch the transceiver on. If you fail to enter the correct PIN, the transceiver will automatically switch off.


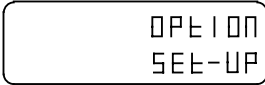



If a PIN code is set, the transceiver can only be operated by entering the PIN.

**It is important that every person who uses the transceiver knows the PIN.
Alternatively, do not set the PIN code.**

Should you forget the PIN, you will have to return the transceiver to the factory.






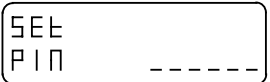
Step	Action...	Display shows...	Remarks...
1.	Turn the transceiver off and move the front panel link to position 1.	No display.	Before moving the link, note its original position. Refer to the procedure on page 11-3.
2.	Hold down  and press 	Hold down the Tune Rx Fast button until the display shows 	This switches your transceiver on and into the PIN set-up mode.
3.	Use the numeric buttons to enter your PIN.	The display will show the number you enter.	You can select a number between 1 and 999999. 

Step	Action...	Display shows...	Remarks...
4.	Press 		Your PIN number has now been registered within the transceiver.
5.	Press 	No display.	The transceiver is now switched off.
6.	Return the front panel link to its original position (F or E).		Refer to the procedure on page 11-3.
7.	Replace the cover before switching on your transceiver.		Refer to the procedure on page 11-3.



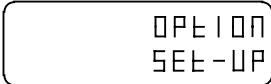



Changing or deleting a PIN

This procedure allows you to change your PIN, or delete it.

Step	Action...	Display shows...	Remarks...
1.	Turn the transceiver off and move the front panel link to position 1.	No display.	Before moving the link, note its original position. Refer to the procedure on page 11-3.
2.	Hold down  and press 	Hold down the Tune Rx Fast button until the display shows 	This switches your transceiver on and into the PIN set-up mode.
3.	Use the numeric buttons to enter your existing PIN		Example of existing PIN number 1234.
	and then press 		You may now change or delete the PIN.



Step	Action...	Display shows...	Remarks...
4.	<p>To insert a new PIN, use the numeric buttons and press</p>  <p>To clear a PIN, do not insert new numbers, just press</p> 	<p>The display will show the number you enter, or if you cleared the PIN</p> 	<p>You can select a number between 1 and 999999.</p> <p>A new PIN is now registered, or the old PIN has been cleared.</p>
5.	<p>Press</p> 	No display.	The transceiver is now switched off.
6.	<p>Return the front panel link to its original position (F or E).</p>		Refer to the procedure on page 11-3.
7.	<p>Replace all covers before switching on your transceiver.</p>		Refer to the procedure on page 11-3.



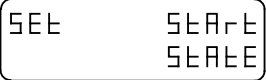



Power-on settings




There are two power-on settings that may be set at any time without the need to move or install any internal links. These are the default settings that will always be present when you switch on the transceiver.

- **Mute settings.** This facility allows you to select either Mute On, Mute Off, or S'call Mute on/off (if option SD is fitted).
- **Beep volume.** This facility allows you to set the beep volume to either loud or soft.

Mute settings


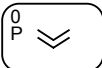

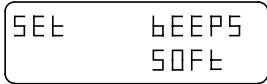
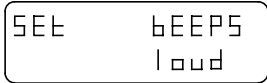

Step	Action...	Display shows...	Remarks...
1.	Hold down  and press 	Hold down the Mute On'Off button until the display shows 	This switches your transceiver on and into the Mute set-up mode.
2.	To select either Mute On or Mute Off, press 	No change in the display.	The Mute is on when the indicator is lit. If you wish to select Mute on, proceed to step 4. If you wish to select S'call Mute proceed to step 3.



Step	Action...	Display shows...	Remarks...
3.	To select S'call Mute on, press  to select S'call Mute off press 	No change in the display.	The S'call Mute is on when the indicator is lit.
4.	Press 	Reverts to normal display showing channel and frequency numbers.	Your selection has been made and you can switch off the transceiver.



Beep volume

Step	Action...	Display shows...	Remarks...
1.	Hold down  or  and press 	Hold down either of the volume buttons until the display shows  or 	This switches your transceiver on and into the beep volume set-up mode. The display will show the last beep volume setting.
2.	Press either of the volume buttons to switch between the beep volume settings.	The display will switch between SOFT and loud.	
3.	Press 	Reverts to normal display showing channel and frequency numbers.	Your selection has been made and you can switch off the transceiver.



Clear all settings and P-channels

This facility allows you to clear all settings (except the PIN number) and P-channels automatically. Ensure your transceiver is switched off before commencing this procedure.



Do NOT use this facility if you require any of the P-channels. To restore the transmit frequencies may be extremely difficult.

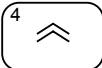

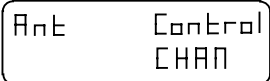
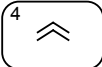
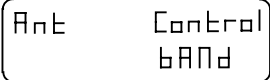

Step	Action...	Display shows...	Remarks...
1.	Hold down <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-bottom: 5px;">Recall</div> and press <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-bottom: 5px;">Power On/Off</div>	Hold down the Recall button until the display shows <div style="border: 1px solid black; padding: 5px; display: inline-block; margin-top: 10px;"> PUSH CLEAR Enter P-CHLS </div>	This switches your transceiver on and into the Clear all settings and P-channels set-up mode.
2.	Press <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-bottom: 5px;">Enter</div> and wait until the display shows dONE.	<div style="border: 1px solid black; padding: 5px; display: inline-block; margin-top: 10px;"> - d O N E - </div>	All settings and P-channels have now been cleared. You can now switch off the transceiver.




Antenna select output

This procedure changes the output configuration of the antenna control connector to provide either channel or frequency band information. Generally, all transceivers are supplied with this facility set to channel (CHAN).

However, where special purpose external linear amplifiers are used and require frequency band selection the transceiver must be set to bAND.

Step	Action...	Display shows...	Remarks...
1.	Turn the transceiver off and move the front panel link to position 1.	No display.	Before moving the link note its original position. Refer to the procedure on page 11-3.
2.	Hold down  and press 		This turns the transceiver on and into the antenna select output mode.
3.	Press 		This changes the operating mode to frequency band selection. Repeated pressing of the  will change from channel to band control.



Step	Action...	Display shows...	Remarks...
4.	Press 	No display.	Your selection has been made and the transceiver is now switched off.
5.	Return the front panel link to its original position (F or E).		Refer to the procedure on page 11-3.
6.	Replace the cover before switching on your transceiver.		Refer to the procedure on page 11-3.



