FL-760
VHF Aircraft Transceiver
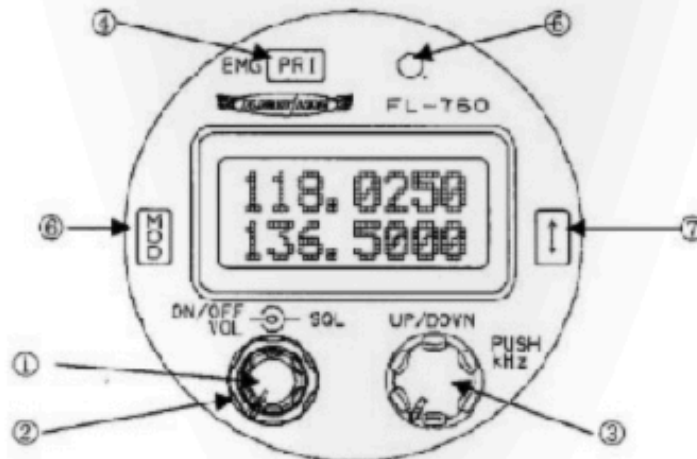# Operations Manual

6 OPERATION OF EQUIPMENT

6.1 General

Please read this section for the correct description and operation of this equipment.

6.2 Control Description

Following diagram shows the position of the controls.

① **Volume and On／Off control**
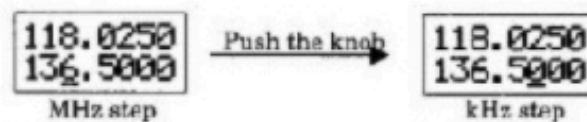Turn fully anticlockwise to switch off. Turn clockwise to switch on and adjust volume.

② **Squelch (mute) control**
The outer ring control adjusts the mute threshold.

③ **Up/Down ／Push kHz**
Turn clockwise or counter-clockwise to change the frequency.
Push knob to adjust kHz.

④ **Priority／Emergency**
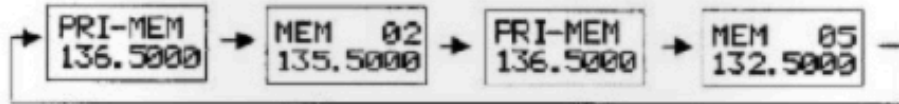Activating this control will switch to priority memory.

It also doubles as memory channel delete.

Press and hold this key for two seconds to activate the emergency frequency.

```
EMG
121.5000
```

If the external memory button is pushed after the priority memory is called, it becomes a priority scan.

```
┌→ PRI-MEM  →  MEM   02  →  PRI-MEM  →  MEM   05 ─┐
│   136.5000     135.5000     136.5000     132.5000 │
└───────────────────────────────────────────────────┘
```
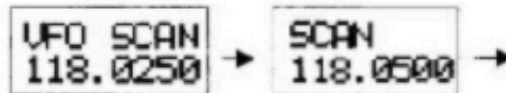
⑤ **LED Indicator**
- A clear display indicates a muted receive condition.
- Steady green indicates Squelch open or a signal present.
- Steady red indicates a transmit condition.
- Flashing red indicates that the PTT has been on for longer than 50 seconds.

> If the radio senses that the PTT has been pressed for more than five minutes (three minutes or one minute is also selectable) the radio will automatically cease transmission.
>
> (This is helpful for indicating a possible stuck PTT or mike switch).

⑤ **Mode**

> Selects five display pages.

A Default is 2 line frequency displays. The top line is the active frequency and the bottom line is the standby frequency. Tuning the dial left or right will channel the MHz and pressing the knob once will activate the kHz channeling (after 5 seconds of inactivity it will revert to MHz). To transfer the standby frequency to the active simply hit the transfer button (arrowed switch) once. Remember, the top line is always the active frequency.

B Push in the mode button again to access the VFO scan display. To VFO scan hit the arrow key.
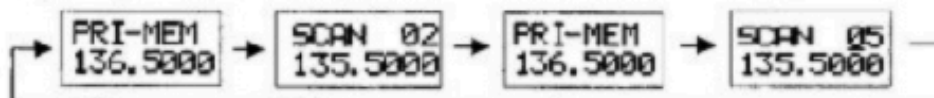
```
VFO SCAN  →  SCAN       →
118.0250     118.0500
```

C Push the mode button again to access the memory channel display. There are 32 memory channels that can be displayed. Turn the dial left or right to move the channels up or down. To scan, hit the arrow key. To stop scanning, hit the arrows or activate the PTT.

Note: **If the memory channel is empty it will not be displayed.**

```
┌→ MEM   02  →  MEM   05 ─┐
│   135.5000     132.5000 │
└─────────────────────────┘
```

D Push the mode button again to access the priority memory channel display. To priority scan, press the arrow key. The unit will now scan between the memory channel and priority channel.
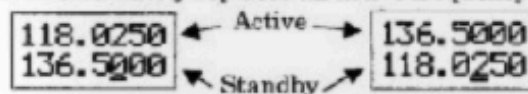
```
┌→ PRI-MEM  →  SCAN   02  →  PRI-MEM  →  SCAN   05 ─┐
│   136.5000     135.5000     136.5000     135.5000 │
└────────────────────────────────────────────────────┘
```

E Push the mode button again to access the program page.

```
PRG    15
118.0250
```

⑦ External memory toggle
This button alternately replaces an active frequency and the standby frequency.

| 118.0250 | ← Active → | 136.5000 |
| 136.5000 | ↖ Standby ↗ | 118.0250 |

6.3 Memory programming

1 The top line should read memory channel 1 (1 to 32 and PRI).
2 Select the required memory number with the up/down dial.
3 Next push the dial to select the bottom line MHz.
4 Now enter the desired frequency.
5 Push the dial again to enter the kHz and adjust.
6 Next push the arrows button, the memory number will flash then programmed will appear. You now have a programmed memory channel.
7 Repeat this operation for other memory channels.
8 Up to 32 channels can be programmed.
9 Only programmed channels will be displayed.
10 By programming a frequency into Memory "PRI" this will give you a priority selection.

6.4 Memory delete

1 The top line should read memory channel 1 (1 to 32 and PRI).
2 Select the required memory number with the up/down dial.
3 Push the "PRI" button, the memory channel is deleted.

6.5 Operation of intercom

Internal adjustment of the sidetone volume may need to be done to set the correct level. In a noisy environment reducing the microphone gain may also be required. **Do not adjust the modulation!** A wind sock over the mike will also help reduce noise.

The VOX operation can be used and sensitivity can be set in the user setting mode.
Note: VOX (Voice-operated Transmission)

6.6 User setting
You can set the use of this radio.
· Continuous on of the backlight.
① Hold down the "MOD" button and power on.
② Push the "MOD" button and select the LAMP.
③ Push the dial switch and select the OFF or ON.
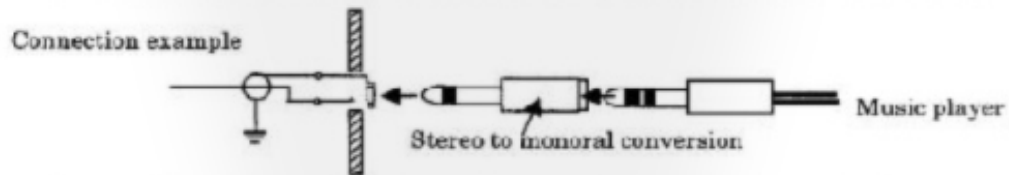④ Push the arrow key, enter the backlight function.
Note: If you select the on, you can not adjust the dimmer.
· Automatic voice operation control gain for intercom.
① Hold down the "MOD" button and power on.
② Push the "MOD" button and select the VOX.
③ Push the dial switch and select the HI, MID1, MID2 or LO.
④ Push the arrow key, enter the VOX sensitivity.
· Time out time of transmit.
① Hold down the "MOD" button and power on.
② Push the "MOD" button and select the TOT.
③ Push the dial switch and select the OFF, 01, 03 or 05 (minutes).
④ Push the arrow key, enter the TOT time.

· Busy lockout of transmit. (If the radio is receiving a signal then it can not transmit)
  ① Hold down the "MOD" button and power on.
  ② Push the "MOD" button and select the BLO.
  ③ Push the dial switch and select the OFF or ON.
  ④ Push the arrow key, enter the busy lockout function.

6.7 Music input

You can listen to music.

The music will automatically mute when radio or intercom traffic is detected.

Connection example

Stereo to monoral conversion

Music player

Music will remain muted for three seconds after the last transmission.