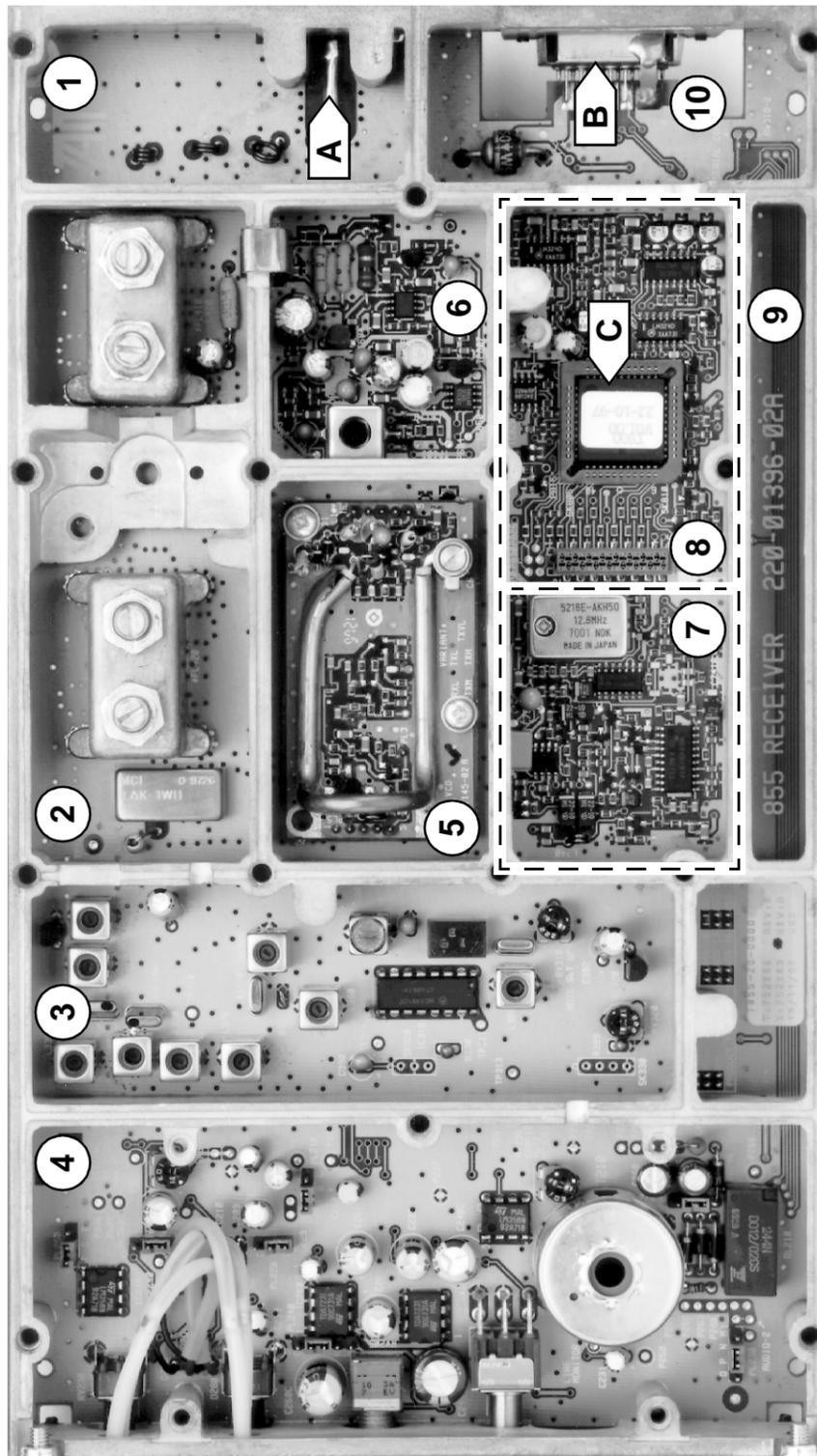


The photograph in [Figure 1.1](#) on the next page will help you to identify the main circuit blocks in the T855.

There is a similar photograph in [Figure 4.3](#) which shows the main tuning and adjustment controls.

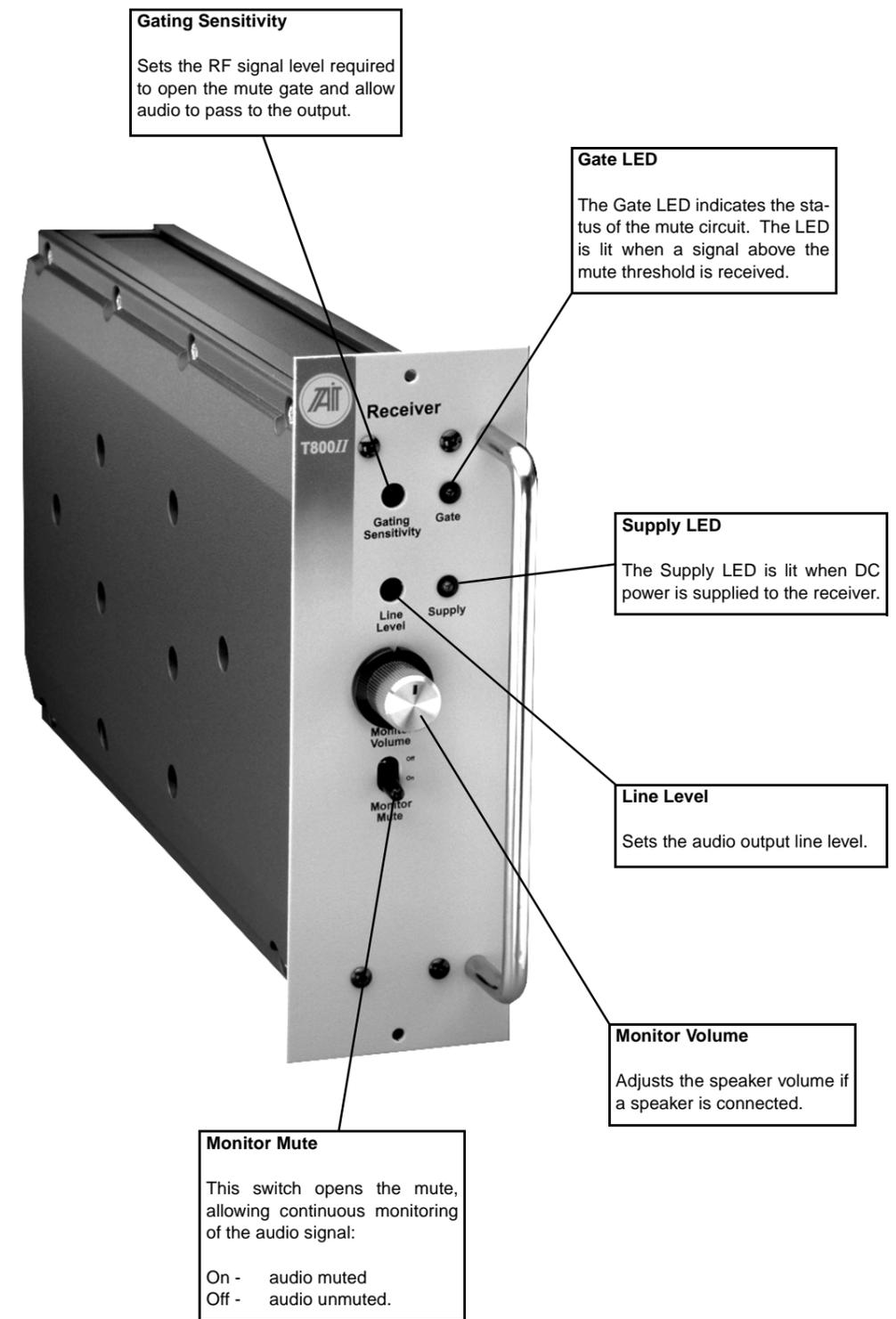
Extending both these fold-outs will allow you to refer to both photographs while using the manual.

The photograph in [Figure 1.2](#) on the next page shows the T855 front panel controls.



- Key:**
- 1 low pass filter
  - 2 receiver front end
  - 3 receiver IF
  - 4 audio processor
  - 5 VCO
  - 6 regulators
  - 7 synthesiser
- 8 microcontroller and CTCSS
  - 9 duct for cabling to extra D-range (if fitted)
  - 10 D-range
- A RF input
  - B D-range connector ("D-range 1" incl. audio out & DC in (refer to Section 1.2 in Part F)
  - C microcontroller

Figure 1.1 T855 Main Circuit Block Identification



**Monitor Mute**

This switch opens the mute, allowing continuous monitoring of the audio signal:

On - audio muted  
Off - audio unmuted.

**Line Level**

Sets the audio output line level.

**Supply LED**

The Supply LED is lit when DC power is supplied to the receiver.

**Gate LED**

The Gate LED indicates the status of the mute circuit. The LED is lit when a signal above the mute threshold is received.

**Gating Sensitivity**

Sets the RF signal level required to open the mute gate and allow audio to pass to the output.

**Monitor Volume**

Adjusts the speaker volume if a speaker is connected.

Figure 1.2 T855 Front Panel Controls