

## To gain access to the recorder



The carrying case is integral with the recorder. Place the recorder with the carrying handle uppermost so that the case rests on its rubber feet. Peel off the flap attached by Velcro to the front edge of the underside of the recorder and fold back.



The power supply unit (if required) can be removed from its compartment along with its lead located in its dedicated pocket in the top flap. The external microphone and plug can now be removed from their respective pockets in the top flap.

## Making a Recording



**EITHER** connect the recorder to the power supply unit and plug the power supply into AC mains supply if available. The recorder will switch on automatically.



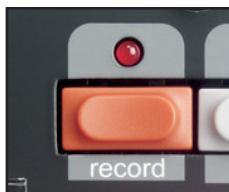
**OR**, if the internal battery is to be used, to switch the recorder, ON depress and hold the **on/off time** switch.



Plug the external microphone into the **mic** socket situated at the top left of the recorder. Place the microphone on a convenient horizontal surface approximately equidistant to the participants in the interview.



Open cassette drawers by pulling back the projection on the top edge with the fingertips. Insert blank cassettes, with the open edge showing the tape at the top, into the two cassette carriers **tape A** and **tape B** and close drawers by pressing on the the projecting edge of the cassette carrier until the carrier closes fully.



Select recording by pressing **record** switch. Each time the record mode is selected the alarm sounds for 7 seconds. This is to avoid the possibility of attempting to record on the leader tape and also to signify the restart of a recording if it has been stopped in the middle of the tape.



To stop recording, press **stop** switch.



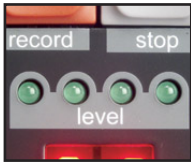
Remove the two cassettes and close the cassette drawers. **The recorder must not be transported with cassettes inserted into the cassette carriers.**

# Features



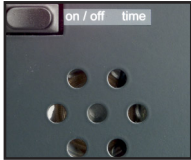
## Channel 1 - microphone signal

The microphone input is recorded on channel 1. If an external microphone is not available, or cannot be used for any reason, the recorder defaults to using the internal microphone on the front panel. It is always preferable to use the external microphone if possible. The record level is preset and no user adjustment is required.



## Peak Level Indicators

The four element peak reading LED **level** meter monitors the microphone, (channel 1) recording signal. The right hand green LED indicates maximum allowable recording level. The left hand green LED indicates a level approximately 30dB below this level.



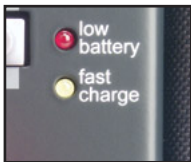
## Channel 2 - clock signal

The internal clock generates a spoken announcement of time and date every ten seconds, (in 24 hr format). The precise time spoken is indicated by the tone at the end of the announcement. Press the **time** button for audible check of the announcements.



## Tape Timer

The two digit **minutes** display indicates the elapsed period that record has been selected. The display is reset to **00** when the cassette carriers are opened to eject the cassettes. The elapsed time display serves to show that the recorder is switched ON.



## Internal Battery

In the absence of a mains supply, the recorder may be powered from the internal rechargeable battery. The battery capacity is sufficient to power the recorder in record mode for approximately 4 hours. When the battery is low the red **low battery** LED switch will start to flash when there is only sufficient battery capacity for a further 45 minutes of recording and will continue to flash until the battery is recharged. When a few minutes of battery life remain, ten audible beeps are sounded and the **low battery** LED is lit continuously. At this point the user should stop recording and remove the cassettes. When the battery is at zero capacity, the recorder automatically disengages the record mode and switches off. The cassettes can be removed but record cannot be restarted until the charger is connected to the recorder. To charge the battery when the recorder is not being used, connect the charger unit to the recorder and plug the charger into an AC mains supply. The battery is initially fast charged for a period depending on its state of discharge and for a maximum time of 3 hours. The orange **fast charge** LED indicates that fast charge is taking place. At the end of fast charge the battery is approximately 80% charged. **The battery self discharges in a period of about four weeks. It is therefore advisable to recharge the battery prior to using the recorder without the mains supply, if the recorder has not been charged during the preceding week.**



## Fault Alarm

The recorder ensures that two cassettes must be inserted and running correctly in order to maintain the record mode and that the signal and bias currents drive both recording heads. It is not possible to run only one cassette or to drive only one recording head.



## Low Tape Alarm

When the tape in the cassette reaches a point approximately two minutes before the end, the alarm sounds twice. After this low tape point, the **record** LED changes from illumination to flashing.



## Remote Monitoring

The remote monitor socket can be used with a 8000 series interface and monitoring unit to provide additional interview facilities.



## To clean the cassette heads

Insert a standard cleaning cassette into one of the cassette carriers. Place a standard cassette, at the start of the tape, into the other cassette carrier. Close the cassette carriers. Press and hold down the **record** button. During this period the alarm will sound. When cleaning is complete, swap the two cassettes and repeat the operation.