


- ① **REPEAT ALARM** button
- ② **CASSETTE compartment**
- ③ **ALARM RESET** button
- To switch off the alarm for 24 hours.
- ④ **FUNCTION buttons**
 - **RADIO CASSETTE ON** button
 - To switch on the radio and to put the cassette mode on standby
 - **OFF** button
 - To switch the radio/cassette or alarm off.
- ⑤ **CLOCK buttons**
 - **TIME SET** button
 - To set the time
 - **ALARM SET** button
 - To set the alarm
 - **'+' SET** button
 - **'-' SET** button
 - To set the time/alarm fast forward
 - **SLUMBER** button
 - To set the time/alarm slow backward
 - To set/switch on the slumber time
- ⑥ **PHONES** ∇
- Stereo headphone socket
- Connection for headphones (not included)
- ⑦ **TUNING control**
- For station selection
- ⑧ **BAND switch**
- To select between FM, MW and LW (not for all versions)
- ⑨ **VOLUME control**
- To adjust the volume level
- ⑩ **BATTERY compartment**
- ⑪ **BLACK DISPLAY**
- ⑫ **ALARM 2 indicator** *
- Indicates that alarm 2 is switched on
- ⑬ **ALARM 1 indicator** *
- Indicates that alarm 1 is switched on
- ⑭ **ALARM 1 Selector**
- **BUZZ** - to be woken by the buzzer
- **RAD/CASS** - to be woken by the radio/cassette
- **OFF** - To disable alarm 1
- ⑮ **ALARM 2 Selector**
- **BUZZ** - to be woken by the buzzer
- **RAD/CASS** - to be woken by the radio/cassette
- **OFF** - To disable alarm 2
- ⑯ **BRIGHTNESS control switch (Hi/Low)**
- To control the brightness of the clock display
- ⑰ **CASSETTE buttons**
 - **PLAY** \blacktriangleright
 - To start playback
 - **REWIND** \blacktriangleleft
 - To fast-rewind the cassette
 - **FORWARD** \blacktriangleright
 - To fast-forward the cassette
 - **STOP** \blacksquare
 - To stop the playback
- ⑱ **FM Antenna**
- ⑲ **Voltage selector (120V/240V)**
- (not all versions)

Mains supply

- Check that the mains voltage as shown on the type plate (at the base of the set) corresponds to your local mains voltage. If it does not, consult your dealer or service organisation.
- VOLTAGE Selector**


- If the set is equipped with a voltage selector, set this selector to the local mains voltage.
 - Connect the mains lead to the wall socket. The mains supply is now connected. As soon as you insert the mains plug into the wall socket, the figures on the display will blink. This means that you must set the correct time.
 - To disconnect the set from the mains, withdraw the mains plug from the wall socket.
- Important note for users in the U.K.:**
When fitting a mains plug, follow the instructions on page 8.

CLOCK

Clock display ⑪

- The clock display shows the time. The display also indicates whether you have switched on the alarm. If alarm 1 is on, then ALARM 1 * lights up in the display. For alarm 2 ALARM 2 * lights up in the display and for the dual alarm both light up.

Setting the time

- Keep TIME button ⑤ pressed and at the same time set the correct time by:
 - pressing the '+' button ⑥ or
 - pressing the '-' button ⑦
- Release the TIME button ⑤. The correct time appears in the display

Antennas

- For FM reception there is an antenna wire at the rear of the clock radio. This wire must be extended and if necessary adjusted slightly in order to obtain good reception.
- The AM/MW and LW antenna is built into the clock radio. To obtain optimum reception you may have to adjust the position of the clock radio slightly.

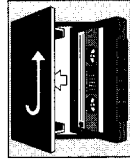
LISTENING TO THE RADIO

Switching the radio on/off

- You can use this clock radio solely as a radio. Press the **RADIO CASSETTE ON** button ④ to switch on the radio. You may connect stereo headphones with 3.5 mm plug to the socket ∇ **PHONES** ⑥. The loudspeaker is then muted.
- Select the waveband using **BAND** switch ⑧
- Tune to the desired station using **TUNING** control knob ⑦.
- Set the volume using **VOLUME** control ⑨.
- To switch off the radio, press the **OFF** button ④.

CASSETTE PLAYBACK

- Press the **RADIO CASSETTE ON** button (4) to switch on the radio and the cassette to standby mode.
- Open the cassette door manually and insert a cassette tape into the compartment. For playback, any cassette type can be inserted.
- Close the cassette door.
- Press ► **PLAY** and the radio will automatically switch off.
 - Playback will start
 - Playback stops when the tape in the cassette deck reaches the end.
 - The radio will automatically switch on.
- You may connect stereo headphones with 3.5 mm plug to the socket **PHONES** (6). The loudspeaker is then muted.
- Adjust the sound with the **VOLUME** control (9) if needed.
- Press ■ **STOP** (17) if you want to stop the playback before the end of the tape.
 - When the end of the tape is reached, the ► **PLAY** (17) button is released automatically and the radio is switched on.
- Press **OFF** button (4) to switch off the radio.



Winding the tape

- Press ►► **FORWARD** (17) button to fast forward the tape.
- Press ◀◀ **REWIND** (17) button to fast-rewind the tape.
- Press ■ **STOP** (17) to stop fast-forward or fast-rewind, or before the end of the tape.

SETTING THE ALARM

Alarm time

You may set two different alarm times with this clock radio. This can be useful if you need to be woken up at different times during the week or at the weekend.

Setting alarm time 1

- Set **ALARM 1 Mode Selector** (14) to the **'RAD/CASS'** or **'BUZZ'** position and **ALARM 2 Mode Selector** (15) to the **'OFF'** position:
 - **BUZZ** - to be woken up by the buzzer
 - or
 - **RAD/CASS** - to be woken up by the radio/cassette.
- * **ALARM 1 indicator** (13) lights up on the display.
- Press **ALARM** button (5)
- The clock display shows **ALARM 1** time.
- Press **ALARM** button (5) and '+' (5) or '-' (5) simultaneously. The alarm time display will change. Release '+' (5) or '-' (5) when the desired alarm time appears on the display.

Setting alarm time 2

- Set **ALARM 2 Mode Selector** (15) to the **'RAD/CASS'** or **'BUZZ'** position and **ALARM 1 Mode Selector** (14) to the **'OFF'** position:
 - **BUZZ** - to be woken up by the buzzer
 - or
 - **RAD/CASS** - to be woken up by the radio/cassette.
- * **ALARM 2 indicator** (12) lights up on the display.
- Press **ALARM** button (5)
- The clock display shows **ALARM 2** time.
- Repeat the above procedure to set the time for **ALARM 2**.

Notes:

- If the time and the alarm time met while setting the **ALARM** time, you can switch off the buzz/radio by pressing **OFF** button (4).
- Continue setting the alarm as per normal.
- The alarm time will not appear on the display when:
 - Both the **ALARM 1 and ALARM 2 Mode Selectors** are set to the **'OFF'** position.
 - Both the **ALARM 1 and ALARM 2 Mode Selectors** are set to the **'BUZZ'** or **'RAD/CASS'** position.
- When setting the alarm time, always release '+' (5) or '-' (5) first before releasing the **ALARM** (5) button.

Alarm

ALARM ON

The clock radio can awaken you in three ways:

Wake by radio

- Tune to the desired station using **TUNING control** knob (7), and switch off the radio.
 - Make sure the volume of the radio is loud enough to wake you up.
 - Set the **ALARM Mode Selector (ALARM 1 (14) or ALARM 2 (15))** to the **'RADIO/CASSETTE'** position.
 - The respective **ALARM indicator** * lights up on the display.
 - At the alarm time set, the radio will switch on and it will automatically switch off 59 minutes later.
- ### Wake by buzzer
- Set the **ALARM Mode Selector (ALARM 1 (14) or ALARM 2 (15))** to the **'BUZZ'** position.
 - The respective **ALARM indicator** * lights up on the display.
 - At the alarm time set, the alarm will automatically switch off 59 minutes later.

Wake by the Cassette Playback

- Set the **ALARM Mode Selector (ALARM 1 (14) or ALARM 2 (15))** to the **'RADIO/CASSETTE'** position.
 - The respective **ALARM indicator** * lights up on the display.
- Open the cassette door manually and insert a cassette into the compartment.
- Close the cassette door.
- Adjust the sound with the **VOLUME control** (9) on the radio mode, and switch of the radio.
- Press **▶ PLAY**.
- Playback will start at the alarm time set.
- At the alarm time set, the alarm will be activated by the cassette playback and it will automatically switch off 59 minutes later.

Notes:

- Playback stops when the tape in the cassette deck reaches the end.
 - When the end of the tape is reached before 59 minutes is up, the **▶ PLAY (17)** button is released automatically and the **RADIO** will be switched on for the remaining duration of the alarm time.
- Press **■ STOP (17)** if you want to stop the playback before the end of the tape and the radio will be switched on.

Slumber

ALARM OFF

You can switch off the alarm in three ways:

Switching off the alarm temporarily

- Press the **REPEAT ALARM** button (1). The alarm will temporarily switch off. 6-7 minutes later, the alarm (radio or buzzer) will sound again. This sequence may be repeated several times. If the **REPEAT ALARM** button (1) is not pressed again, the alarm will automatically switch off 59 minutes later. The following day the alarm will sound again at the alarm time set.
- ### Switching off the alarm completely
- Set the **ALARM Mode Selector (ALARM 1 (14) or ALARM 2 (15))** to the **'OFF'** position or
 - Press the **'OFF'** button once.
 - **Switching off the alarm for 24 hours**
 - Press the **ALARM RESET** button (3).
 - The alarm is now switched off for 24 hours and will sound again the next day at the same time.

SLUMBER

The clock radio has built-in slumber function. This function enables you to listen the radio/cassette at bed time without having to get up to switch off. The radio will automatically switch off at the time set.

Slumber time

The period which you continue to listen to the radio before you fall asleep is called the slumber time. If you wish to set the slumber time for **59 minutes**, proceed as follows:

- Press the **SLUMBER** button (5) once. 59 will appear on the display indicating that you have a slumber time of 59 minutes.

If you wish to slumber for **less than 59 minutes**, proceed as follows:

- Press and hold down the **SLUMBER** button (5) for at least 3 seconds. The slumber time starts to count down from **59** to **00** minutes. Release the **SLUMBER** button (5) when the desired slumber time is displayed.
- Press and hold down the **SLUMBER** button (5) and '+' (5) or '-' (5) simultaneously. The slumber time starts to change. Release both the buttons when the desired slumber time is displayed.

Slumber off

- You can switch off the radio before the slumber time has elapsed:
- Press the **OFF** (4) and the radio switches off.
 - The slumber function does not affect the alarm.
- ### BRIGHTNESS Control
- The brightness of the clock display can be controlled by sliding the **BRIGHTNESS selector (16)** to the 'Hi' or 'Low' position.

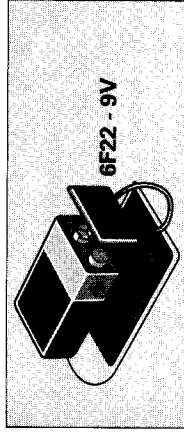
Power failure

POWER FAILURE

As soon as a power failure occurs, the clock radio will switch off. As soon as the power supply returns $\overline{\text{C}}\overline{\text{C}}\overline{\text{C}}\overline{\text{C}}$ flashes, indicating that you must reset the correct time on the clock.

Battery Back-up System

A 9 volt, E-block Type 6F22/PP3 battery or equivalent (not supplied) can be fitted into the battery compartment. It will, in the event of a power failure, provide sufficient power to maintain the Clock/Alarm, memory. The display will not illuminate but when the power is restored the time and alarm time will have been retained and so will not require resetting. The use of an alkaline battery is recommended. The normal life of a new battery is about one year. For clarity, Alarm, radio and display do not work on battery.



- Before inserting the battery, connect the power plug to the mains.
- Place the battery in the compartment on the underside of the clock radio (see diagram).
- Replace the battery once year. The service of the battery depends on how often and for how long the power supply fails. This varies from a region to another.

Note: Always reset the time after a power-failure.

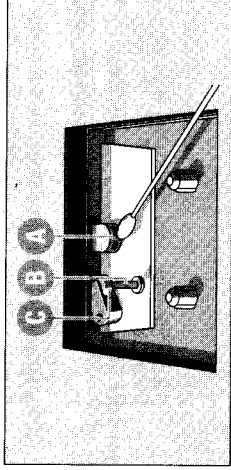
Maintenance

MAINTENANCE

- If you do not intend to use the clock radio for a long period, it is better to remove the power plug from the mains. In addition to this, it is advisable to remove the battery from the clock radio. This will prevent any danger of battery leakage and the clock radio will not be damaged.
- To ensure good playback quality, clean the head A, the capstans B and pressure rollers C after every 15 hours of operation.
- Use a cassette tape cleaner or a piece of cotton wool dipped in alcohol.
- The mechanism must not be lubricated!
- Fingerprints, dust and dirt on the clock radio should be removed using a clean and damp soft cloth or chamois leather. When cleaning do not use any other products which contains abrasive agents or solvents (benzene, thinner, alcohol etc.)
- These may damage the housing.
- Rain, dampness and extreme heat may damage the clock radio. For this reason it should not be exposed to direct sunlight or placed close to heating elements for any period of time.

CLEANING THE HEADS

To ensure good recording and playback quality, clean the parts (A) (B) (C) indicated in fig. 5 after every 50 hours of operation or, on average, once a month.



- Open the cassette holder manually.
- Use a cottonball slightly moistened with alcohol or a special head cleaning fluid.
- Clean the rubber pressure roller (C), the capstan (B), and playback head (A)
- Cleaning of the heads (A) and (B) can also be done by playing a cleaning cassette through once.

Troubleshooting

English

If a fault occurs, first check the points listed below before taking the set for repair. If you are unable to remedy a problem by following these hints, consult your dealer or service center.

WARNING

Under no circumstances should you try to repair the set yourself, as this would void the warranty.

PROBLEM

- POSSIBLE CAUSE
- SOLUTION

No sound

- Volume is too soft
- adjust volume
- Headphones are connected
- Disconnect headphones

Poor radio reception

- Weak radio aerial signal
- Aim the aerial for best reception:
- FM: adjust aerial position
- AM (MW/LW): rotate the entire set
- Interference caused by closely located electrical equipment like TVs, video recorders, computers, thermostats, fluorescent lamps (TL), engines etc.
- Keep the set away from electrical equipment

Poor cassette sound quality

- Dust and dirt on the heads, capstan or pressure roller
- Clean the heads etc. (see Maintenance)

IMPORTANT NOTES FOR USERS IN THE U.K.

Mains plug

This apparatus is fitted with an approved moulded 13 Amp plug. To change a fuse in this type of plug proceed as follows:

- Remove fuse cover and fuse.
- Fix new fuse which should be a BS1362 5 Amp, A.S.T.A. or BSI approved type.
- Refit the fuse cover.

If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place.

If the mains plug contains a fuse, this should have a value of 5 Amp. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5 Amp.

Note: The severed plug must be disposed to avoid a possible shock hazard should it be inserted into a 13 Amp socket elsewhere.

How to connect a plug

The wires in the mains lead are coloured with the following code: blue = neutral (N), brown = live (L).

As these colours may not correspond with the colour markings identifying the terminals in your plug, proceed as follows:

- Connect the blue wire to the terminal marked N or coloured blue or black.
- Connect the brown wire to the terminal marked L or coloured brown or red.
- Do not connect either wire to the earth terminal in the plug, marked E (or Φ) or coloured green (or green and yellow).

Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead - not simply over the two wires. If in doubt, consult a qualified electrician.

The type plate is located on the base of the set.

This product complies with the radio interference requirements of the European Community.