G2000A OWNER'S MANUAL

HOW TO USE
YOUR GRUNDIG
G2000A AM/FM/SW Radio

NEED HELP? HERE'S HOW TO CONTACT US:

- **From the United States: 1-800-872-2228**
- **From Canada: 1-800-637-1648**
- **From everywhere else: 650-903-3866**
- **e-mail: grundig@ix.netcom.com**
- **World Wide Web: www.grundigradio.com**
- **Eton Corporation/Grundig**

  1015 Corporation Way

  Palo Alto, California 94303

  United States

1 CONTROLS

1.1 Leather cover

Your G2000A comes with a leather cover, which is use both to protect the set and to use the radio in an inclines position.

- Rotate the leather cover as shown in the illustration. You can now use the set in on inclined position.

Notes

The unit meets the CEE regulations concerning interference radiation.

This product fulfills European directives 89/336/EEC, 73/23/EEC and 93/68/EEC.

This set complies with the safety regulations according to VDE 0860/BS 415 and thus with the international safety regulations according to IEC 65.

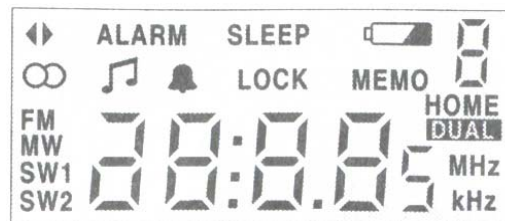**The model number is located on the back of the set.**

1.2 Controls

DC 4.5	connection socket for a mains adapter
socket	for connecting stereo headphones
MONO/STEREO	for mono/stereo selection
VOLUME	for adjusting the volume
FM MW SW1 SW2	band selector switch
LIGHT	for illuminating the display
H / M	for tuning to a radio station for setting hours/minutes
POWER	for switching the radio on and off
LOCK	for blocking all button functions
METER	for selecting the short-wave band
RADIO/BUZZ	for setting the alarm to radio or buzzer
SLEEP	for switching on the sleep function
BATTERIES	Inside the batteries compartment: **SW FREQ.** selector **AM STEP.** selector
RESET	for erasing the memory
FREQ	for entering frequencies
1...0	for direct numeric entries (1 .. .0) for selecting and storing preset stations (1 .. .5)
MODE	to change the display mode
ALARM	for switching the alarm on and off
MEMO/	for programming stations into the memory
TIME SET	for setting the time (HOME / DUAL / ALARM)

2 Display

2.1 Display

The display provides information about the functioning of your world receiver:
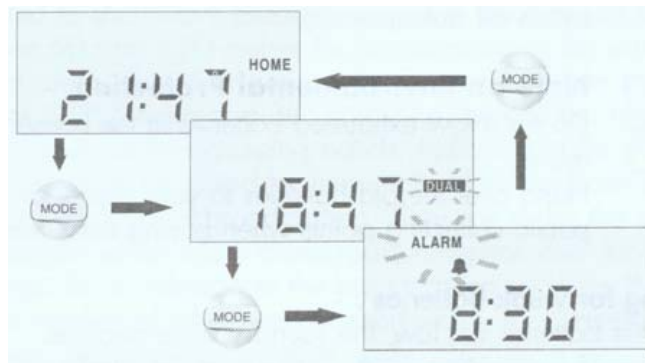

- While the radio is switched off, the current time will be indicated. The first time it is used, or if the memory is erased, '0:00' will appear on the display.
- When the radio is switched on, the frequency in **kHz** or **MHz** and the wave band **FM, MW, SW1 or SW2** will be indicated.
- When the alarm is switched on, the alarm mode(**Alarm** and radio or buzzer) will be indicated.
- this indicator lights up when a certain station is correctly turn to.
- indicates stereo reception for FM.
- **Sleep** indicates that the sleep time function is active.
- LOCK indicates that all buttons are locked.
- indicates that batteries should be replace.
- **MEMO** lights up when you are storing stations.

2.2 Switch the display mode

You can change the information that appears on the display of the G-2000A with the **MODE** button. When the radio is off:

- The display shows the current time mode (HOME or DUAL).
  - ◦ If you wish to check the other settings, press **MODE** briefly.
- The display changes each time you press the button.
- The display will return to the current time automatically after five seconds (or press **MODE** briefly).
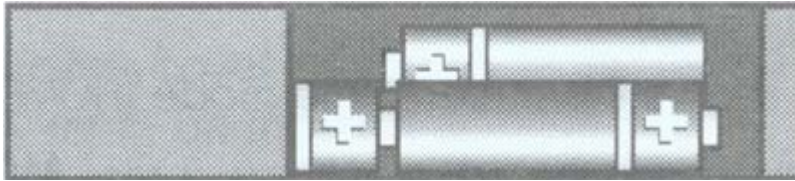

When the radio is on:

- The display shows the frequency.
  - ◦ If you wish to check the other settings, press **MODE** briefly.
- The display changes each time you press the button.
- The display will return to the frequency indication automatically after five seconds(or press **MODE** briefly).

3 POWER SUPPLY

3.1 Batteries

- Open the battery compartment and insert 3 alkaline batteries of the type R6, UM 3 or AA.

- Remove the batteries when they are exhausted or if they are not going to be used for a long period of time.

Note: If the DC 4.5 V socket is in use, the battery supply will switch off automatically.

Note on Environmental Protection
Do not throw exhausted batteries in the household refuse.

Hand over the old batteries to you deader or public collecting when buying new ones.

Warning for weak batteries:
When the batteries run low, the sound volume declines gradually. The indication appears on the display.

Continued operations with low batteries cause the radio to turn off automatically, other malfunctioning and losing programmed time settings and preset radio stations. In this case, remove the batteries and press a paper clip through the **RESET** hole. Readjust the time settings and the present radio stations. To prevent that the radio is switched on accidentally, use the **LOCK**-switch when packing the radio or putting it away.

3.2 AC Main Adapter (not included)

You can connect the set to the mains using a mains adapter.
Only use a mains adapter, which supplies 4.5V DC with the negative pole at the center pin of the plug .
Before connecting the mains adapter

- Check that the mains voltage indicated on the type plate of the adapter matches your local mains voltage.
- If the mains adapter equipped with a voltage selector, set this to the local voltage.
- Connect the mains adapter to the **DC 4.5V** socket of the set and to the wall socket.

3.3 Power failure

- If the power supply is interrupted, the programmed time settings and preset radio stations will be kept in the memory for 10 min. or more.
- If the AC power is disconnected from the 4.5 DC socket, the batteries (if present) will take over the supply.

4 GENERAL

4.1 Time zones

The earth rotates around its axis in 24 hours and around the sun In one year.
These movements are responsible for the time differences and the seasons on earth. Due to the direction of rotation of the earth it is always earlier in the day to the west of where you are and later in the day to the east of where you are.
The earth is divided into 24 time zones with a difference of one hour between adjacent zones. The system is based on one standard time zone, namely **UTC** (Coordinated Universal Time), previously **GMT** (Greenwich Mean Time). Generally speaking, short-wave stations announce their broadcasts in **UTC**.
To check which time zone you are now at, use the world map on the back of the set.

4.2 Short Wave (SW)

Your world receiver can receive a number of wavebands. Most of these are known and tuning for the required station will soon become a matter of routine, as the stations are always to be found at the same place on the dial and are thus tied to a fixed wavelength and frequency. With short wave this is unfortunately not always the case. Short wave transmitters have to change their avelengths fairly often. In the short-wave range between 10 and 1 Oo-metre wavelength (frequencies of 30-3 MHz resp.) nine bands between 10 and 50 metres are allocated to short-wave broadcasting, with another four bands between 60 and 120 metres for broadcasting in the earth's tropical areas. The
latter are roughly located between the latitudes of 30¢X north and 30¢X south, i.e. around the equator. Most short-wave broadcasting bands, indicated in the shortwave table, are allocated for the whole world and can be used for international broadcasting. They are so far the only wavelengths which allow direct radio reception over long distances. So in addition to the broadcasting services, there is a large number of other users of short wave, for example radio amateurs, shipping and aviation, radio navigation etc.

4.3 SW Tuning mode (meterband/continuous).

Your G-2000A has a built-in SW frequency (**SW FREQ.**) tuning mode selection switch inside the battery compartment.

- Select A, if you only want to get reception for the stations with the frequency within the meter-bands.
- Select B, in case you wish to obtain the frequencies in between the gaps of the meterbands.
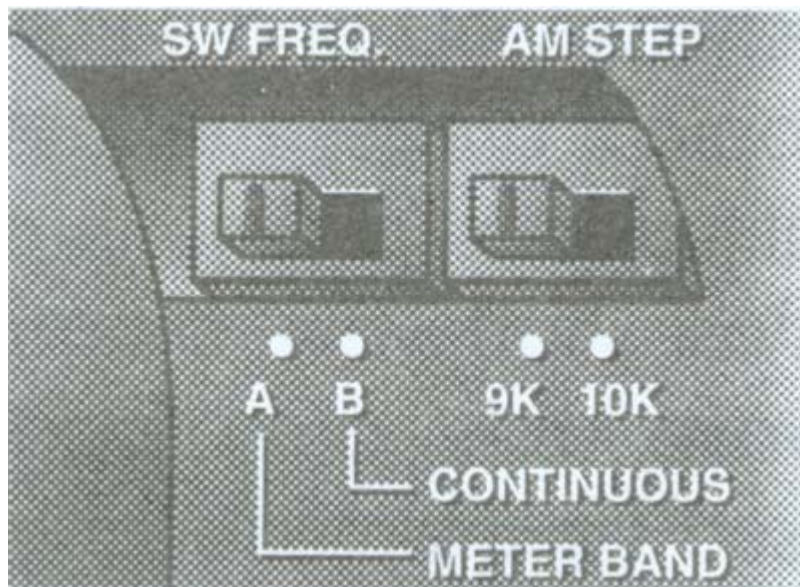
5 RADIO RECEPTION

5.1 AM STEP selector (MW)

The minimum 'frequency distance' (span division) between adjacent radio stations (measured in kHz) is standardized all over the world. However, North and South America use another standard than the rest of the world.
This means that the radio should use a tuning step according to the standard concerned in order to obtain accurate radio tuning.
The **AM STEP** switch (in the battery compartment) allows accurate tuning for both standards.
Position 10kHz for the Americas - MW tuning step 10kHz;
Position 9 kHz for the rest of the world - MW tuning step 9 kHz;

5.2 Aerials

- For FM reception extends the telescopic aerial fully. To improve the reception you can incline and rotate the aerial. If the FM signal received is too strong (in the direct vicinity of the transmitter) you can retract the aerial.
- For the medium wave (MW), the set has a built-in aerial, so the telescopic aerial is not needed. You can direct the aerial by turning the set itself.
- For short wave reception (SW) extend the telescopic aerial and position it vertically.

5.3 Radio reception

- Ensure that the **LOCK**-switch is off.
- Press **POWER** to switch the radio on.
- The frequency and the wave band will appear on the display.
- Adjust the volume with the **VOLUME** control.
- You can connect headphones to the ⌂socket
- The loudspeaker will then be switched off.
- Set the wave range with the **FM MW SW1 SW2** switch
- If you select **SW** with the **FM MW SW1 SW2** switch, press **METER** to select the enquired meter band of short wave.
- The chosen short-wave band and the frequency will appear on the display.
- Tune to a radio station either manually, automatically, directly or with the **PRESET** buttons.

MONO/STEREO

- When appears on the display, you are receiving an FM stereo transmitter. If you are listening with headphones, you will hear the FM station in stereo.
- A disturbing noise, due to a weak FM stereo signal, can be suppressed by setting **MONO/STEREO** to **MONO**.
- The indication goes out and you will hear the FM station in mono.
- Press **POWER** once again to switch the radio off.
- The display will now indicate the current time.

6 RADIO RECEPTION

6.1 Tuning to a station

There are three possibilities for tuning in to a station:

- **Automatically** - the stations are sought automatically.
- **Manually** - This is easy if the frequency of the station is already known (e.g. from your radio and television guide).
- **Directly** - The easiest way to obtain a station if its frequency is already known.

Automatic tuning

- Keep ▲ or ▼ (TUNING UP or DOWNI pressed down until the frequency on the display changes continuously. Tuning will stop automatically as soon as a station is found. iP
- Repeat this until you have found the desired station.

Manual tuning

- Keep ▲ or ▼ .pressed down until you come close to the desired frequency.
- Then briefly press the other button (/ ▼); tuning will stop.
- Then press ▲ or ▼ repeatedly until you reach the desired frequency.

Direct selection

- When **POWER** is switched ON, press **FREQ**..
- The frequency disappears from the display.
- You can now enter the station's frequency with the **1...0** keys.
- Confirm the entry by pressing **FREQ.** once more.
- If you insert an invalid frequency, the display shows 'Err '
- Repeat the steps above, making sure the frequency is correct.

6.2 Preset radio stations

You can program 20 stations into the memory, 5 on each waveband.

Programming

- Press **POWER** button to switch on the radio.
- Tune to a radio station automatically, manually or directly.
- Press the **MEMO/TIME SET** button. The 'MEMO' sign starts flashing on the display.
- Press the preset button **(1...5)** to store the selected station.
- Press **MEMO/TIME SET** button again to complete the storing procedure.
- The program indicator "MEMO" disappears from the display, and the preset number that was stored is shown in the right corner of the display.
- Repeat these steps for the other stations you wish to program.

Calling up preset stations

- Select the wave range with FM MW SW1 SW2 switch.
- Press one of the 1...5 buttons.
- The frequency and the PRESET number will appear on the display:

7 CLOCK

7.1 HOME/DUAL time display Priority

Your G-2000A allows you to set two different times: HOME and DUAL. Normally, the HOME time has priority. You can also set the DUAL time to be displayed constantly.

- The **MODE** button toggles the display between HOME, DUAL and ALARM time indication. After 5 seconds, the display will return to the previous indication.
- Press **MODE** once. The DUAL time appears and the DUAL indication starts flashing.
- Press **MEMO/TIME SET** to display the dual time constantly.
- DUAL stops flashing.
- To display the home time constantly again, press **MODE** twice and then **MEMO/TIME SET** while HOME is flashing.

7.2 Setting the current time (HOME or DUAL)

- Press **MODE** to set the display in HOME or DUAL time mode.
- Press **MEMO/TIME SET**.
- The time digits start flashing.
- Use the H button to set the hours and the M ▼ button to set the minutes.
- A single press of the **H** ▲ or **M** ▼ button advances the setting by 1 hour or 1 minute respectively. If the button is held pressed, the setting advances rapidly.
- The minutes will not be carried over to the hours if, for example, the minutes indication changes from '59' to 100'.
- Press **MEMO/TIME SET** to store the setting
- If you do not press **MEMO/TIME SET**, the display will return to the previous time setting after 5 seconds.

8 ALARM

Alarm function

You can use your world receiver as an alarm clock. To use this function you first have to set the alarm time. You will be woken with a bleep, or by the radio.

Setting the alarm time

- Press **MODE** repeatedly until ALARM starts flashing on the display.
- Press **MEMO/TIME SET**.
- The time digits start flashing.
- Use the **H** ▲ button to set the hours and the **M** ▼ button to set the minutes (in the same way as the clock time).
- Press **MEMO/TIME SET** to store the setting
- If you do not press **MEMO/TIME SET**, the display will return to the previous time setting after 5 seconds.

Selecting the alarm mode

- Use the **RADIO/BUZZ** switch to select the alarm mode.

Switching the alarm on

- Press **ALARM**.
- **'ALARM'** and the symbol for the selected alarm mode(/) will appear on the display:

Switching the alarm off

- Press **ALARM**.
- The alarm signs will disappear.
- When the alarm sounds, you can also switch the alarm off by pressing the **POWER** button.

9 SLEEP

9.1 Sleep function

Your world receiver is equipped with a sleep function. It enables you to continue listening to the radio while you fall asleep. After 90, 80, 70 10 minutes the radio will be switched off automatically.

Switching the sleep function on

- Press **POWER** to turn on the radio.
- Press the **SLEEP** button. The display shows the 'SLEEP indication and the preset sleep time ('60').
- Keep **H** or **M** ▼ pressed until the desired sleep time (10...90) is reached.

- The 'SLEEP' indication and the sleep time you have selected will appear on the display.
- After 5 seconds, the display will switch to indication of the frequency.

Switching the sleep function off

The sleep function can be switched off before the set time has elapsed:

- Press **POWER** once briefly. - The 'SLEEP' indication will disappear from the display.
- Press **POWER** once more to switch the radio off.

10 LOCK

10.1 LOCK switch

By setting the **LOCK** switch to the **LOCK** position, a function is no longer interrupted when a button is accidentally touched.

The LOCK-position is very useful:

- when carrying the radio with you, radio reception cannot be interrupted;
- when packing the radio or putting it away, it cannot be switched on accidentally.
- Set the **LOCK** switch in the 'lock' position.
- The 'LOCK'-symbol will appear on the display:
- Now you can on y a just **VOLUME, FM MW SW1 SW2, MONO/STEREO** and **ADIO/BUZZ**.
- Reset the ◀**LOCK** switch in order to switch the lock function off again.