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etón

G1000A AM/FM/Shortwave radio

operation manual



HOW TO USE YOUR

etón

G1000A AM/FM/Shortwave Radio

DO YOU NEED HELP? We have tried to make these instructions easy to follow. Please read them carefully.

You may contact Etón Service Department for additional information or assistance by calling:

European Division:

Telephone: +49 (89) 35874-354 or Telefax: +49 (89) 35874-103

Head Office:

Telephone: 1 (650) 903-3866 or Telefax: 1 (650) 903-3867

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Thank you for purchasing the **G1000A AM/FM/SW Radio**. This owner's manual is conveniently divided into two sections, BASIC OPERATION and INTRODUCTION TO SHORTWAVE. Both sections are important. If you are new to shortwave listening, the INTRODUCTION TO SHORTWAVE section will give you all the information that you need to enjoy broadcasts from around the world.

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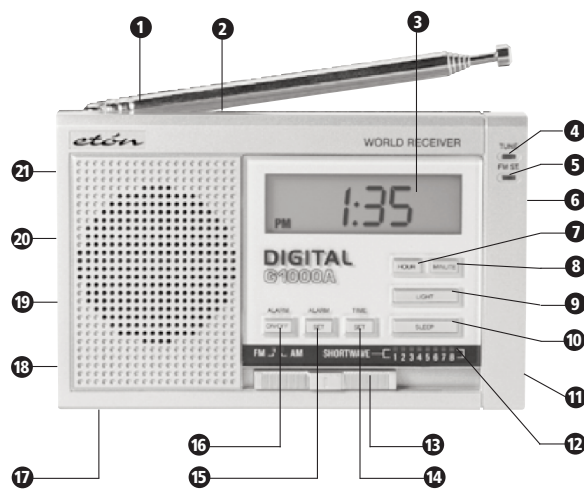
FEATURES

MAJOR FEATURES OF THE ETÓN G1000A

- AM, FM-stereo and 8 shortwave bands (49, 41, 31, 25, 22, 19, 16 and 13 meters).
- Analog tuning with digital frequency readout.
- Clock, alarm and sleep timer (1- 119 minutes).
- Digital display shows frequency, time, sleep time and symbols for sleep timer and alarm activation.
- Rotary volume control.
- Earphone socket.
- DC socket for AC adaptor use (AC adaptor not included).
- Telescopic antenna for FM and SW reception.
- Internal ferrite bar antenna for AM (MW) reception.
- Operates on 2 AA batteries or AC adaptor (AC adaptor not included).



CONTROL LOCATIONS



- | | |
|------------------|--------------------------------|
| 1. Antenna | 12. Band Indicator |
| 2. Stand (rear) | 13. Band Selector |
| 3. Display | 14. Time Set |
| 4. Tune LED | 15. Alarm Set |
| 5. FM ST. LED | 16. Alarm on/off |
| 6. Tuning Knob | 17. Battery Compartment (rear) |
| 7. Hour | 18. Hand Strap |
| 8. Minute | 19. DC Jack |
| 9. Light | 20. Earphone Jack |
| 10. Sleep | 21. Volume Knob |
| 11. Power on/off | |

BASIC OPERATION

1. BATTERIES

Remove the battery compartment cover by pushing it in the direction of the arrow. Install two 'AA' batteries according to the polarity symbols (+ and -) marked next to the compartment. For easy removal, place the batteries on top of the lift-out ribbon.

2. POWER ON/OFF, VOLUME

Turn the radio on by switching the power on/off switch (11). Use the volume knob (21) to adjust the volume.

3. LISTENING TO FM

Select the FM band by using the band selector switch (13). Use the tuning knob (6) to tune the radio to the desired frequency. When a strong signal is found, the TUNE indicator will light. If you are using an earphone to listen to FM stereo, the FM ST. LED (5) will light. Note that the frequency of the station appears in the display (3).

4. LISTEN TO AM or SW1-8

Select the desired band, AM or SW 1-8, by using the band selector switch (13). Turn the tuning knob (6) to the desired frequency which appears in the display (3) or just tune around and listen for stations. Note that MW appears in the display when AM is selected. That's because the AM band is called MW (for medium wave) in some parts of the world. SW appears in the display when SW 1-8 is selected.

5. ANTENNA

- A. For AM (MW) the radio uses an internal, directional, ferrite bar antenna. Rotate the radio for best reception.
- B. For FM/SW, fully extend the telescopic antenna (1). For FM, rotate it for best reception.

BASIC OPERATION

6. AC ADAPTOR (not included)

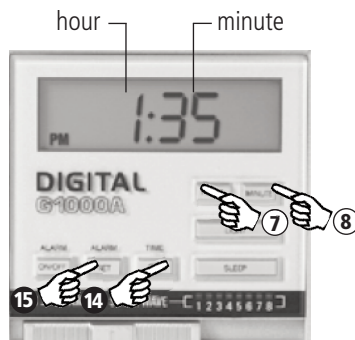
The G1000A can be used with an AC adaptor that supplies an output of 3 volts DC, negative polarity (center tip set to negative), capable of supplying 100 milliamperes or greater current. Plug tip diameters: 3.4 millimeters outer; 1.3 millimeter inner.

7. SETTING THE CLOCK

The clock displays time in 12 hour, AM/PM format. While keeping the TIME SET button (14) pressed, set the correct hour and minutes with the HOUR (7) and MINUTE (8) buttons. They can be pressed with quick, short presses to advance slowly or they can be kept pressed down to advance rapidly. When finished, release the TIME SET button.

8. SETTING THE ALARM

While keeping the AL.SET button (15) pressed, set the correct wake-up hour and minutes with the HOUR (7) and MINUTE (8) buttons. They can be pressed with quick, short presses to advance slowly or they can be kept pressed down to advance rapidly. When finished, release the AL.SET button.



BASIC OPERATION

9. SWITCHING THE ALARM ON/OFF (ACTIVATING/DEACTIVATING THE ALARM)

Press the AL.ON/OFF (16) button. The alarm activation symbol (🔊) appears in the upper right corner of the LCD and looks like a loudspeaker. When the loudspeaker symbol appears in the display, the alarm is activated. When the loudspeaker symbol is not in the display, the alarm is deactivated.

When the activated alarm turns the radio on, it can be turned off by pressing the AL.ON/OFF button. This will cause the loudspeaker symbol to disappear from the display.



16



10. LIGHT

The LIGHT button (9) causes the display to be illuminated. It will turn off automatically after about 10 seconds. Note that using the light feature decreases battery life.




9

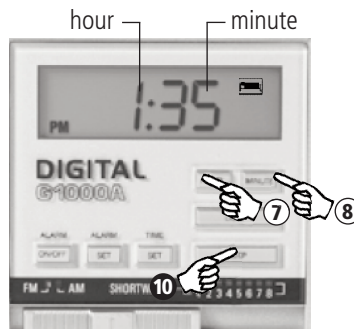


BASIC OPERATION

11. SLEEP FUNCTION

The sleep function enables the radio to play for a specified time before automatically shutting off (from 1 hour 59 minutes to just one minute).

1. With the radio turned off, press and do not release the SLEEP (10) button. This turns the radio on and 59 minutes appears in the display. This also activates the sleep timer activation symbol  in the upper right corner of the LCD. This symbol looks like a little bed with a person lying in it.
2. If 59 minutes is OK for your needs, release the SLEEP button at this point. If not, proceed to the next step.
3. While continuing to keep the SLEEP button pressed, use the HOUR and MINUTE buttons to adjust the sleep time for your needs. When finished, release the SLEEP button.



While it is playing in sleep mode, it can be turned off by pressing the SLEEP button. The sleep timer activation symbol will disappear from the display.

BASIC OPERATION

PRECAUTIONS

Do not use any abrasive powder to clean the cabinet. Wipe it with a soft cloth moistened with a mild soap and water solution. Do not leave the unit in a location near heat sources, or in a place subject to direct sunlight, excessive dust or mechanical shock.

If the sound becomes low or distorted, replace the batteries with new. Do not use old and new batteries together and never intermix different brands or types of batteries. If the set is not used for a long time, remove the batteries to prevent to possible battery acid leakage.

INTRODUCTION TO SHORTWAVE

Shortwave enables you to hear stations from around the world. Now that you have a shortwave radio, no doubt you'll want to hear worldwide stations right away. If you're new to shortwave, please take some time to learn the basics outlined below. To successfully listen to shortwave stations you must know how to find them. They are found in the shortwave 'bands'. If you're an experienced shortwave listener, you'll already know what bands are and how to use them, but if you're new, you'll need to learn about bands first. After that, you will have excellent success. Please read on.

INTRODUCTION TO SHORTWAVE

WHAT ARE BANDS? TO FULLY ENJOY SHORTWAVE LISTENING, THIS IS THE MOST IMPORTANT CONCEPT TO LEARN RIGHT AWAY.

If you have ever listened to AM or FM radio, then you already know what a band is. The AM band is a frequency range stretching from 530 to 1600 kilohertz, the FM band is 88-108 megahertz. A band is simply a frequency range where stations are located. When you look for stations in these 'bands', you simply tune around with the tuning knob until you find a station you like. Shortwave is similar and the shortwave bands have names like 25 meters, 31 meters, 49 meters, etc. These are abbreviated 25m, 31m and 49m. Just like in AM and FM radio, one simply gets into the shortwave band and tunes around, looking for stations.

For example, the 19 meter shortwave band encompasses the frequency range of 15.1 to 15.6 megahertz. Below is a list of the shortwave bands used for international shortwave broadcasts and their corresponding frequency ranges, as found in the Etón model G1000A.

IMPORTANT NOTE: The Etón G1000A shows shortwave frequencies in megahertz, abbreviated MHz. Since shortwave broadcast schedules usually show frequency in kilohertz, the chart below shows both. Remember, the same frequency can be stated in either megahertz or kilohertz, just as the same distances can be expressed in either meters or kilometers, feet or miles.

INTRODUCTION TO SHORTWAVE

BAND	MEGAHERTZ (MHz) (as on the G1000A)	KILOHERTZ (KHz) (as in most broadcast)	G1000A's switch setting
49 meters	5.950-6.20 MHz	5950- 6200 KHz	SW1
41 meters	7.10-7.60 MHz	7100- 7600 KHz	SW2
31 meters	9.20-9.90 MHz	9500- 9900 KHz	SW3
25 meters	11.600-12.200 MHz	11600-12100 KHz	SW4
22 meters	13.570-13.870 MHz	13570-13870 KHz	SW5
19 meters	15.10-15.80 MHz	15100-15800 KHz	SW6
16 meters	17.480-17.90 MHz	17480-17900 KHz	SW7
13 meters	21.450-21.850 MHz	21450-21850 KHz	SW8

DAY BANDS / NIGHT BANDS – THE DIFFERENCE IS VERY IMPORTANT

Because shortwave signals depend on such factors as the sun, the ionosphere and interaction with the earth itself, signals cannot be heard on all bands throughout the day. Some bands are best during the daylight hours, and some are best at night. Here are some good 'rules of thumb'.

- In general, the bands with frequencies below 13000 KHz are better at night and the bands with frequencies above 13000 KHz are best during the day. This guideline is not 'cast in concrete' but is a useful general rule of thumb.
- **Around sunrise and sunset, both the day and night bands might be good, sometimes exceptionally good.**
- In the summer time, the day bands often are good into the early night.
- While most shortwave stations are found within the frequency limits of these defined bands, some are found outside of them. It pays to take the time to tune in-between bands too.
- These guidelines can be used worldwide and are not dependent on location.

INTRODUCTION TO SHORTWAVE

Listed below are the characteristics of the major shortwave bands. Follow these guidelines for best listening results.

DAYTIME LISTENING

Shortwave listening is generally at its poorest during the daylight hours of about two hours after sunrise until about two hours before sunset. The major reason for this is that the broadcasters are not transmitting to your area at this time, assuming that we are all either at work or at school and are not able to listen during the day. If you want to try daytime listening, use the guidelines below.

DAY BANDS

CHARACTERISTICS

13meters	Results vary. Worth trying. Sometimes extremely good around sunrise and sunset.
16meters	Similar to 19m.
19meters	The best overall daytime band. May also be good at night in the summer months. Sometimes extremely good around sunrise and sunset. Sometimes good at night in the summer.
22meters	Similar to 19m.

INTRODUCTION TO SHORTWAVE

EVENING/NIGHT LISTENING

This is the best time to listen, because the broadcasters are deliberately transmitting to your area. These bands may be extremely good around sunset and sunrise too.

NIGHT BANDS

CHARACTERISTICS

25meters	Similar to 31m.
31meters	Good all night, everywhere. Often extremely good at sunrise and sunset. Good results often start about an hour before sunset.
41meters	Similar to 49m, but not as many stations.
49meters	The best overall night band.

IMPORTANT NOTE: Getting close to a window may substantially improve your reception. The construction materials of some buildings simply do not let signals in very well. Signals penetrate wood frame buildings easiest, while concrete and brick buildings usually block signals. If you are in a building with one or more stories above you, signals can also be impaired in strength. In such a situation, situate the radio as close to a window as possible while listening. Holding the radio while close to a window may also improve reception.

INTRODUCTION TO SHORTWAVE

HOW TO IDENTIFY WHAT YOU'RE LISTENING TO AND HOW TO FIND STATIONS THAT YOU WANT TO HEAR

For this, you'll need to use a shortwave directory.

SHORTWAVE DIRECTORY: We recommend the use of a comprehensive shortwave directory, especially if you want to hear specific countries or to identify the station you're listening to. Such a directory will alphabetically list the countries broadcasting on shortwave, showing their language, target area, broadcast time and frequency that is used. The best shortwave directory is PASSPORT TO WORLD BAND RADIO, available in major bookstores. Published by International Broadcasting Services, Ltd., Box 300, Penn's Park, Pennsylvania 18943. This publication has separate chapters for English and non-English broadcasts, titled World-Wide Broadcasts In English and Voices From Home.

SERVICE INFORMATION

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Should you want to return your unit for service, pack the receiver carefully using the original carton or other suitable container. Call for a Return Authorization Number prior to shipping your unit. Write your return address clearly on the shipping carton and on an enclosed cover letter describing the service required, symptoms or problems. Also, include your daytime telephone number and a copy of your proof of purchase. The product will be serviced under the terms of the Etón Limited Warranty and returned to you.

ONE YEAR LIMITED WARRANTY

Etón warrants to the original purchaser this product shall be free from defects in material or workmanship for one year from the date of original purchase.

During the warranty period Etón or an authorized Etón service facility will provide, free of charge, both parts and labor necessary to correct defects in material and workmanship. At their option, Etón may replace a defective unit.

- (1) Complete and send in the Warranty Registration Card within ten (10) days of purchase.
- (2) Call Etón or the nearest authorized service facility, as soon as possible after discovery of a possible defect. Have ready:
 - (a) the model and serial number.
 - (b) the identity of the seller and the approximate date of purchase.
 - (c) a detailed description of the problem, including details on the electrical connection to associated equipment and the list of such equipment.
- (3) Etón will issue a Return Authorization number and the address to which the unit can be shipped. Ship the unit in its original container or equivalent, fully insured and shipping charges prepaid.

Correct maintenance, repair, and use are important to obtain proper performance from this product. Therefore carefully read the Instruction Manual. This warranty does not apply to any defect that Etón determines is due to:

- (1) Improper maintenance or repair, including the installation of parts or accessories that do not conform to the quality and specification of the original parts.

ONE YEAR LIMITED WARRANTY

- (2) Misuse, abuse, neglect or improper installation.
- (3) Accidental or intentional damage.
- (4) Battery leakage.

All implied warranties, if any, including warranties of merchantability and fitness for a particular purpose, terminate one (1) year from the date of the original purchase.

The foregoing constitutes Etón's entire obligation with respect to this product, and the original purchaser shall have no other remedy and no claim for incidental or consequential damages, losses, or expenses. Some states do not allow limitations on how long an implied warranty lasts or do not allow the exclusions or limitation of incidental or consequential damages, so the above limitation and exclusion may not apply to you.

This warranty give you specific legal rights and you may also have other rights which vary from state to state.

For service information contact:

Etón Corporation

European Division
World Wide Business Centres,
Leopoldstr. 236
D-80807 Muenchen, Germany
Telephone: +49 (89) 35874-354
Telefax: +49 (89) 35874-103

Etón Corporation

Head Office
1015 Corporation Way,
Palo Alto, California 94303 U.S.A.
Telephone: 1 (650) 903-3866
Telefax: 1 (650) 903-3867

**World Wide Web Site:
www.etoncorp.com**