



The lightning bolt symbol in the triangle alerts the user to dangerous voltages on some exposed components inside the unit.

The exclamation point in the triangle points the user to important operating and maintenance (service) instructions throughout this manual that should be followed.



The device has been tested and meets the FCC standard standards of a class B device. These standards were developed to avoid or reduce interference with other domestic electrical appliances. This equipment may cause radio waves, and if not installed as directed, may cause interference to the radio or television, for example, when the equipment is turned on or off.

Operation manual

- Follow the safety instructions and instructions in this manual.
- This manual should be kept secure for future reference.

Safety instructions (installation and operation)

- Never touch the device with wet or wet hands.
- The device can only be operated with the voltage described on the rear panel and on the power supply unit.
- This device should not be positioned near moisture and water.
- Do not place the device on an unstable surface. The device could be damaged or people injured. Any fixings should only be installed according to the manufacturer's information or obtained from the manufacturer.
- The cable is sheathed and isolates the current. Please do not place any objects on the cable as this may result in loss of the protective function. Avoid heavy loads on the cable, especially on sockets and plugs.
- If you want to remove the plug from the socket, always pull on the plug and not on the cable. Otherwise, the cable could break.
- To protect the device during a thunderstorm or when left unattended for a long time: Disconnect the plug from the wall outlet. This prevents damage due to lightning strikes.
- An outdoor antenna should not be installed near power lines or other circuits. When mounting such antennas, extreme care should be taken, as contact with such cables can be fatal.
- Do not overload electrical outlets, extension cords or other wiring, as this may result in fire or electric shock.
- No objects may be introduced into the openings of the device, as in some places electricity flows and the contact may cause fire or electric shock.
- Disconnect the power plug from the socket for cleaning.
- Do not use liquid cleaners or cleaning sprays. The device may only be cleaned with a damp cloth.
- Do not connect accessories that are not recommended by the manufacturer.
- The openings of the housing are used for ventilation, so that the device does not overheat. These must always be kept free.

- The appliance must not be located near sources of heat, such as Stoves, heaters are positioned. Protect the device from moisture and weathering.
- Do not place any containers with liquids on the device.
- Do not expose the device to direct sunlight. This affects the function and could lead to damage.
- Do not operate the device in dusty environments. Heavy cigarette smoke can affect electronic devices. Damage caused by cigarette smoke will not be remedied free of charge as part of the statutory warranty.

Disclaimer

Certain content and services accessible through this device are the property of third parties and are protected by copyright, patent, trademark, and / or other intellectual property laws. Such content and services are provided for your personal, non-commercial use only. Xoro shall not be liable for any damage to software or hardware or financial loss resulting from the use of the Services and the Equipment, unless based on gross negligence or willful misconduct, its vicarious agents or its legal representatives. For direct or indirect damage - in particular damage to other software, damage to hardware, damage due to loss of use and damage due to malfunction of the device, the company can not be held liable. Only the user is liable for the consequences of using the software and hardware used on the device.

The device and the software used have been designed with the utmost care, but errors can never be ruled out. Therefore, no guarantee can be given for the security of your data!

Delivery

The following components are included:

- Radio DAB100
- Power adapter
- Operation manual

If any of these parts are missing, please contact your dealer as soon as possible. Keep the original packaging in case the unit needs to be returned to the dealer.

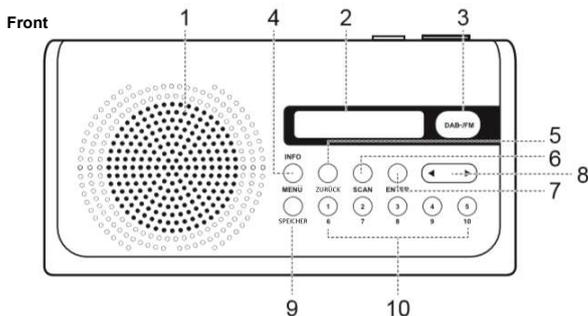
Insert Batteries

1. Open the battery compartment and insert the batteries (page 3). Please pay attention to the correct polarity (+/-) when inserting the battery.
2. Close the battery door again.
3. Remove the batteries from the device if you are not going to use the device for a long time.

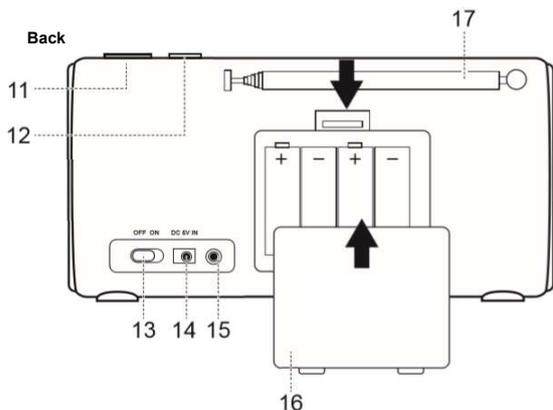
Notes:

- *Remove and replace old batteries. These could leak and damage the device.*
- *Remove leaking battery fluid with a cloth. Avoid skin contact with the fluid.*
- *If the battery or battery fluid is ingested, seek medical attention immediately.*
- *In case of skin / eye contact, wash out the skin / eyes and seek medical advice.*

3 Overview & Power Supply



- 1 speaker
- 2 display
- 3 switching DAB + / FM radio operation
- 4 **INFO / MENU** Get information / Main menu
- 5 **BACK** Back / Exit
- 6 **SCAN** Automatic station search
- 7 **ENTER** OK / Confirm
- 8 Tuning buttons / Manual station search
- 9 **MEMORY** presets
- 10 **1-10** Speed dial station memory
- 11 **<VOL>** Volume control (louder / quieter)
- 12 Timer / Sleeping Switch the sleep timer on / off, slumber
To switch on / standby the device
- 13 **OFF / ON** Power switch for switching the device on / off
- 14 **DC IN** power supply connector
- 15 headphone jack
- 16 battery



Note:

If you use headphones on the device, the built-in speaker is automatically switched off!

Power Supply

Use only the supplied AC adapter to power the Xoro DAB100. Observe the information on the rating plate of the power supply unit.

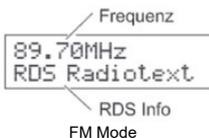
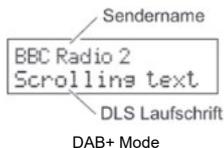
Note:

The power supply delivers a stabilized DC voltage of 5V. Operating with a non-stabilized voltage can damage the device. Only the supplied power supply guarantees safe operation and compliance with all regulations and standards.

The power supply is suitable for a mains voltage of 100-240 V and can therefore be used in almost all AC-based power grids. Note that this may require a country-specific adapter.

In the case of multiple sockets, make sure that the connected loads do not exceed the permissible total power consumption. Disconnect the product from the mains if you are not going to use it for a long time.

Display



Antenna

Disconnect the telescopic antenna installed on the device from the holder and pull out the antenna. For the initial setup and the associated station search, it is recommended to position the radio at a window or outdoors. Later, you can position the radio in the living room and use the antenna to produce the most optimal reception.

Note:

For best reception performance, please note that the antenna should be fully extended.

If necessary, you should test different locations to get the best possible reception.

Off / on, standby mode

The device has a power switch on the back. With this switch, you can switch the device completely de-energized, possibly also to improve the battery life of the inserted batteries.

If the device is switched on at the power switch, you can put the device in the operating mode or put it in standby mode by long pressing the power button on the top side.

In standby mode, the backlight is turned off and the date and time are displayed. By briefly tapping on the power button, the display lighting is switched on for 5 seconds, to be able to read the time in the dark, for example.

Note:

If you would like to use the alarm / alarm function, the device must be in standby mode. In completely de-energized state no alarm / alarm function is possible!

In battery operation, the StandBy function can affect the life of the batteries. If you do not use the device for a longer time, it is recommended to completely switch off the device by means of the backside mains switch!

Initial installation

When commissioning for the first time or after a factory reset (page 7), the device automatically guides you through the initial installation. If necessary, switch on the device at the main switch on the back and press the power button on the top until the device starts and the backlight is activated. The unit now performs an automatic DAB + station search and starts on the first found radio station with the playback. During the search, the display on the right side will show you the radio stations already found. The progress bar in the bottom page shows you how far the search has progressed.

Note:

For the initial setup and the associated station search, it is recommended to position the radio at a window or outdoors. Later, you can position the radio in the living room and make the best possible reception with the antenna.

If you do not have DAB + reception in your environment, switch the device to the "FM" operating mode (page 5) after the initial setup and carry out a station search there (page 6).

Information

To display information about the selected radio station, briefly press the INFO button. Depending on the station, you can call up information about the frequency, radio text, date or time on the display by briefly pressing the INFO button again. You can quit this function by pressing the BACK button.

Sleep Timer

The device is equipped with a sleep timer (Sleeptimer). When the function is activated, the device can automatically switch to standby mode after a predefined time. To activate the function, briefly press the TIMER button on the top of the device. Another repeated short press on this button then defines the time interval (15, 30, 45, 60, 90 minutes) for the automatic shutdown. To deactivate the function, press the TIMER button until "Off" appears on the display.

Operation Mode

The device has two ways to receive radio programs. After the initial setup (page 4), you can switch between the reception options using the DAB + / FM button on the front panel.

FM radio

Worldwide VHF band II radio operates between 87.5 MHz and 108.0 MHz. In some countries only parts of it are used. Only Japan and some countries of the former Eastern Bloc, as well as Brazil in future, sometimes use other frequency bands.

The Radio Data System (RDS) translates additional information into radio broadcasting. The unit supports station-dependent display of the radio station name and advanced broadcast information on the display.

DAB + radio

Digital Audio Broadcasting (DAB) is a digital broadcasting standard for terrestrial digital radio reception. It is suitable for the frequency range from 30 MHz to 3 GHz. DAB was developed in the Eureka 147 project of the EU in the years 1987-2000. Receiving stations using HE AAC + V2 coding is only possible with DAB + receivers. The name "DAB +" was invented by WorldDMB with the aim of distinguishing the receivers that can also decode HE AAC + V2 in addition to the MPEG-1 Layer 2. However, this is a pure marketing name that is not part of the standard. All devices available since November 2011 that can receive DAB + are backward compatible and can also receive DAB broadcasts using the current procedure (MPEG-1 Layer 2).

DAB is available in more than 40 countries, reaching about 500 million people from DAB broadcasters. In most European countries, such as Germany, Switzerland, Belgium, Denmark and the United Kingdom, DAB is almost universally available. In France, it is currently only available in individual islands of reception around Paris and Lyon, as well as in the Netherlands. In Italy, private broadcasters in particular are pushing ahead with DAB expansion in northern Italy. In Austria, on the other hand, the trial operation, which has been running since 2000, was discontinued in 2008. From May 28, 2015 until March 31, 2016, a new pilot operation of DAB + will be taking place in the Vienna area. In Canada, by 2011, some metropolitan areas were served in Ontario, Quebec and British Columbia. The unit supports station-dependent display of the radio station name and advanced broadcast information on the display.

Automatic radio station search

Use the operating mode "DAB +", long press the SCAN button on the front of the device. The automatic station search is started. During the search, the display on the right side will show you the radio stations already found. The progress bar in the bottom page shows you how far the search has progressed.

Use the operating mode "FM", briefly press the SCAN button on the front of the device to start the automatic station search. The device continues to search automatically until a station with strong reception is found.

Manual radio station search

Use the operating mode "DAB +", use the <> buttons on the front of the device to select from the available radio stations. Pressing the ENTER button will call up the previously selected radio station.

Use the operating mode "FM", use the <> buttons on the front of the device to scan individual frequencies. This feature may help you find less-than-popular radio stations. Normally, the automatic station search is the simplest and most effective. If you keep the <> buttons pressed for long, the automatic search is activated until the next radio station is found.

Presets

The unit offers a station memory, so you can save up to 10 of your favorite stations and quickly call by pressing the corresponding number button at any time without having to carry out a channel search again. Memory 1-5 can be reached by briefly pressing the respective button, memory 6-10 by pressing and holding the respective 1-5 button.

Start a channel scan until you are on a radio station that you would like to permanently store in the station memory. Press and hold the MEMORY button on the front panel of the device and use the <> buttons to select the desired memory location. Press the ENTER button to save. By briefly pressing the MEMORY button, you can check memory usage and recall saved favorites by pressing the ENTER button.

Alarm function / clock radio / slumber

The device offers an alarm function. Long press the INFO / MENU key to bring up the main menu (page 7) and use the <> keys to select the option "System". Now press the ENTER button until you reach the menu "Alarm" (Sleep). By pressing the <> keys, you can make settings and confirm with ENTER and thus continue to the next step. You can define the alarm time (currently on), select the alarm sound (source, here also DAB + or FM radio selectable), define repeat (daily, one-off, weekdays, weekends), adjust the volume and activate the alarm function "alarm on" or off "Alarm Off".

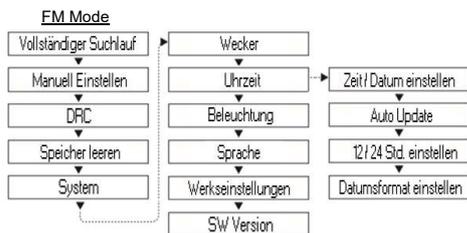
If the alarm is active, a bell symbol appears in the display when the device is in standby mode. When the alarm time has elapsed, the unit will turn on according to your alarm settings. When the alarm rings, you can briefly press the SLEEP button to enter the sleep mode. Press the button repeatedly briefly to extend the snooze duration. The times are 5, 10, 15 and 30 minutes. The display will show "Napping" and the remaining minutes. To deactivate the alarm, press the ENTER key during the alarm!

Volume

Use the <VOL> button on the top of the volume control unit.

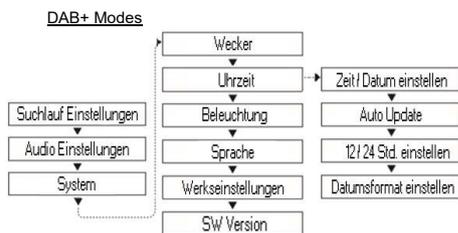
Main menu

You can make various settings for the device in the main menu of the device. Long press the INFO / MENU button until the main menu appears. Use the <> buttons to select setting options, the ENTER button to enter submenus or confirm your setting. Within the menu, you can cancel the action and / or return to the previous menu item / setting with the BACK button.



- Full Search** *Performs an automatic station search (page 6)*
- Manual Tuning** *Performs a Manual Tuning (page 6)*
- DRC** *Adjustment of the dynamic range of a broadcast program. According to the DAB standard, an individual dynamic adaptation on the receiver side can be achieved by means of the so-called Dynamic Range Control System (DRC) by means of a continuous transmission of dynamic control data embedded in the DAB bit stream. Select High, Low, or Disable (Off) on the menu.*
- Clear Memory** *If your station list contains channels that are no longer available, clearing this option will clear the list.*

System Alarm	Alarm settings menu (page 6)
Time time / date	Manual time setting
Auto Update	Automatic time setting
12/24 hours	Switch 12/24 hours time format
Date format	switching date format
Illumination	In this menu, you set the time (timeout) when the backlighting should switch off automatically if no input is made.
Language	Select the system language
Factory setting	If you select "Yes", the device is reset to the delivery state. All stations and settings are lost!
SW Version	Displays the software version of the device



- Search adjustment**
 - All stations Searches for all radio stations, even with poor reception
 - Strong stations Only looking for radio stations that have a strong reception
- Audio settings**
 - Mono Play all radio programs in mono soundtrack. This may increase the reception quality of the reception.
 - Stereo Allow stereo soundtrack. The device has only one speaker and therefore can not play stereo.
- System Alarm** Alarm settings menu (page 6)
- Time** Manual time setting
- Auto Update** Automatic time setting
- 12/24 hours** Switch 12/24 hours time format
- Date format** switching date format
- Illumination** In this menu, you set the time (timeout) when the backlighting should switch off automatically if no input is made.
- Language** Select the system language
- Factory setting** If you select "YES", the device is reset to the delivery state. All stations and settings get lost!
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8 Warranty Conditions & Recycling Information

If the products do not have the agreed quality at the time of transfer of risk, MAS Elektronik AG shall be entitled to remedy the defect or make a replacement delivery at your discretion. In the case of defect removal / replacement, MAS Elektronik AG acquires ownership of the dismantled / replaced components / devices during the removal / replacement. MAS Elektronik AG uses spare parts or components that are new or as good as new in accordance with the usual industry standard within the scope of production as well as for defect removal / replacement. The warranty for wearing parts (for example batteries and batteries) is 6 months. If the device has a built-in data memory (hard disk, flash memory or similar), the customer is responsible for a backup before returning. MAS Elektronik AG is not liable for data losses of sent in customer devices. MAS Elektronik AG reserves the right to restore factory settings for submitted devices. Please make a note of your personal settings if necessary. MAS Elektronik AG is not liable for any non-product supplied by the customer (eg DVDs, hard disks, flash memory, batteries). The claims for defects are fulfilled according to the current legal warranty. The warranty is valid only in the country where the product was purchased. The following are excluded from the warranty: Damage to the polish, the accessories, the batteries, accidental damage, damage due to misuse, dirt, water, battery leakage, counterfeiting. Also excluded are damages caused by repair work of unauthorized agencies and damage caused by the installation of a firmware upgrade, unless it was necessary to install the upgrade in order to enable assured properties in the first place.

MAS Elektronik AG shall not be liable for loss or damage resulting from improper use of the device (disconnected or combined with other devices), injury to the customer due to use of the device or due to force majeure or other reasons. For a proper and smooth handling of warranty cases / repairs you need an RMA number. These are available on the Internet at <http://www.xoro.de/service/> or by phone (s.u.)

Please send the device in its original packaging including all accessories with a copy of the proof of purchase, a description of the fault and the RMA number (please make a note of this on the package):

MAS Elektronik AG
ERS GmbH Elektronik Repair Service
Weidegrund 3
21614 Buxtehude
Germany

Contact the XORO Customer Service:

Phone: +49 4161 800 24 24 (Mon-Fri: 11.00 - 17.00 Uhr)
Email: support@ersservice.de

We are happy to help you with any questions regarding operation or if problems occur with your device.

Recycling of electrical appliances

The product has been designed and manufactured with high quality materials and components that are recyclable and reusable. This crossed-out wheeled bin on the product or on the packaging means that the product complies with European Directive 2012/19 / EU.



See local regulations for dispose of electronic equipment separately. Observe local regulations and do not dispose of old products with normal household waste. By properly disposing of old products, you contribute to the protection of the environment and human health.

Recycling of paper and cardboard

The material recycling symbol on the packaging box and user manual means that they are recyclable. Do not dispose of it with normal household waste.



Recycling of plastics

The material recycling symbol on plastic parts means that they are recyclable. Do not dispose of it with normal household waste.



The green dot

The green dot on cartons means that MAS Elektronik AG pays a tax to the society for waste avoidance and secondary raw material extraction.



Batteries

Every consumer is legally obliged to return batteries to a collection point in his community or in commerce so that they can be disposed of in an environmentally friendly way. Please do not dispose of batteries with household waste.

EU declaration of conformity

With the CE mark MAS Elektronik AG declares that this product fulfills the basic requirements and guidelines of the European regulations. If this product is used in accordance with this instruction manual, the product complies with the requirements of the RED 2014/53 / EU Directive.



Further information, as well as a detailed EC declaration of conformity for download can be found in the download area of this device on the website of MAS Elektronik AG (www.xoro.de).

