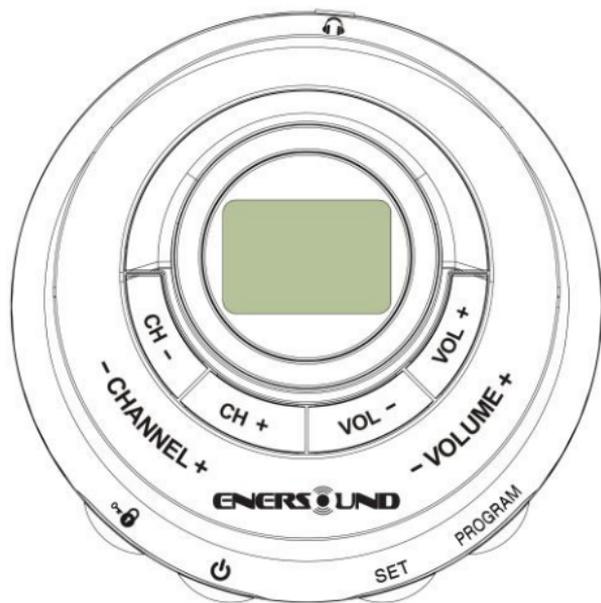


# ENERSOUND R-120

## 20-Channel Programmable Digital Receiver



User Manual

**Español:** Para descargar este manual en español, ingrese a: [www.enersound.com/manuals](http://www.enersound.com/manuals)

**Portugues:** Para baixar este manual em português, acesse: [www.enersound.com/manuals](http://www.enersound.com/manuals)

## INDEX

|                                     |    |                                     |       |
|-------------------------------------|----|-------------------------------------|-------|
| About This Manual.....              | 3  | Changing Factory Set Frequencies... | 15    |
| Safety Warnings.....                | 4  | Locking/Unlocking the Receiver..... | 17    |
| Control Panel.....                  | 7  | Warranty.....                       | 17-19 |
| Inserting Batteries.....            | 9  | Technical Data.....                 | 20    |
| Selecting Carrying Option.....      | 10 | Disposal.....                       | 20    |
| Care.....                           | 13 |                                     |       |
| Using the Receiver.....             | 14 |                                     |       |
| Turning the Receiver On and Off.... | 14 |                                     |       |
| Selecting Channels.....             | 15 |                                     |       |
| Setting the Volume.....             | 15 |                                     |       |

**NOTE:** To turn the receiver on and off, gently press and hold the **POWER** button for approx. 2 seconds.

## **About this Manual**

Read this user manual carefully before using your receiver. Use the product only as described to avoid accidental injury or damage. Also, read safety warnings carefully. Keep this manual for future reference. If you give this product to someone else, remember to include this manual.

## **Symbols in this Manual**



This symbol warns of hazards that may cause injury.

The word **HAZARD** indicates a life-threatening risk or the possibility that a significant personal injury may occur.

The word **CAUTION** represents the risk of slight injury or damage.



This is how supplementary information is shown.

## **Safety Warnings**

### **Intended Use**



This receiver is designed for private use as well as for assistive listening and simultaneous interpretation applications.

### **HAZARD to Children**

- Batteries can be highly dangerous if swallowed. Therefore, keep batteries and the receiver out of the reach of children. If a battery has been swallowed, seek medical assistance immediately.
- Keep the packaging out of children's reach as it may cause suffocation!

### **HAZARD! Neck Strap**

Be careful when using the neck strap. Under unfavorable circumstances you could strangle yourself with the neck strap. Stay away from moving objects or machinery. Never allow children to play with the neck strap. They could strangle themselves.

## **WARNING! Damage to your Health**

- Using headphones at a loud volume or over a prolonged period of time can lead to permanent hearing damage.
- Batteries should not be recharged or reactivated by other means, taken apart, thrown into fire, punctured or short-circuited. There is a risk of explosion. Rechargeable batteries should only be charged outside the receiver and following instructions from the battery manufacturer using an approved charger.

## **CAUTION! Damages**

- Protect the receiver against moisture, water, dust, extreme temperatures or direct sunlight.
- Never let the receiver fall, and do not expose it to a strong impact.
- Do not use the receiver or its accessories if there are any visible signs of damage.
- Never take the receiver or its accessories apart. Have repairs carried out by the manufacturer only.

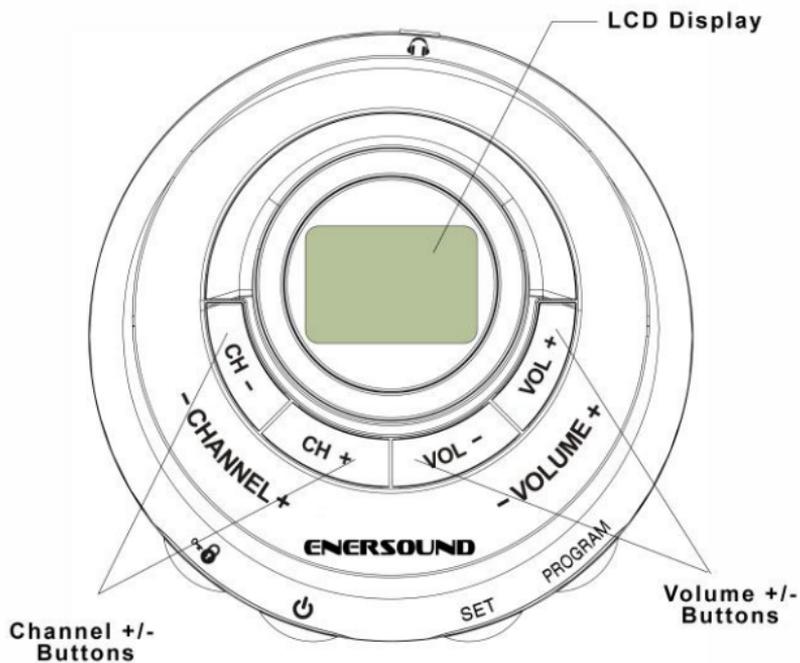
- Remove batteries from the receiver if they are dead or if you do not intend to use the receiver for a prolonged period of time. This will avoid damage that may be caused by leakage.
- Do not use caustic cleaning products, benzene, solvents, etc. for cleaning. These substances may damage the surface of the case.
- Always replace all batteries at once and do not mix different battery types, brands or batteries with different capacities.

### **HAZARD! Pacemaker Safety**

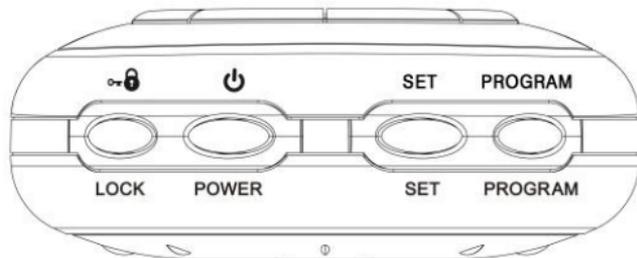
- Before using this receiver with a pacemaker or another medical device, consult your physician or the manufacturer of your pacemaker or another medical device.
- If you have a pacemaker or another medical device, make sure that you are using this receiver in accordance with safety guidelines established by your physician or the pacemaker manufacturer.

# Control Panel

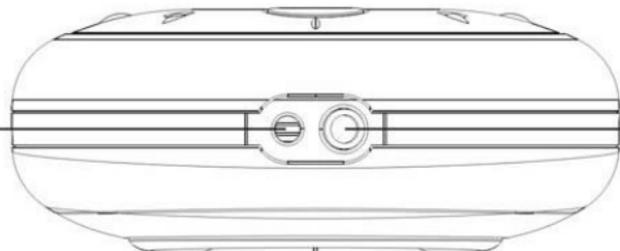
# Front View



## Side View



Fastening eyelet  
For neck strap



Headphones  
Connection Jack

## **Inserting Batteries**

1. Turn the battery cover on the back side of the receiver counterclockwise as far as it will go (follow the **OPEN** arrow).
2. Remove the battery cover. If necessary, tap the receiver against the palm of your hand to loosen the battery cover.
3. Insert batteries as indicated on the base of the battery compartment. Make sure that the polarity is correct (+/-).
4. Replace the battery cover and turn it clockwise as far as it will go until it locks.

## **Information about Replacing Batteries**

- Replace batteries when the battery symbol in the display is flashing. Any program saved will remain stored.
- If the belt clip is attached to the receiver, you will have to unscrew it before opening the battery cover.
- For the best performance, use AAA alkaline batteries. You may also use AAA NiMH rechargeable batteries. Do not use any other type of batteries besides Alkaline or NiMH.

## Selecting Carrying Option

### Carrying Options at a Glance



with the neck strap



to a belt or trousers\*



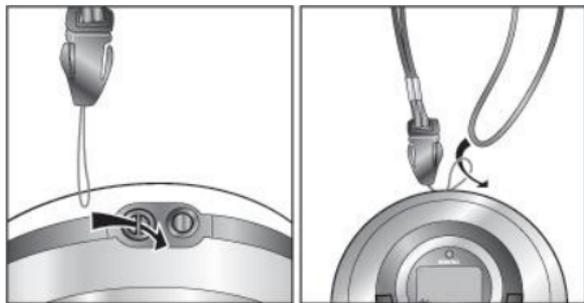
on the arm

## Option 1- Using the Neck Strap

### HAZARD

When worn around the neck, the neck strap presents a risk of strangulation.

- Keep the receiver, including the neck strap, out of reach of children. Never allow children to play with the neck strap. Stay away from moving objects.
- Particular care must be taken when the receiver is attached to the neck strap.

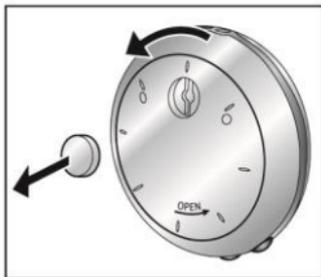


The strap is already threaded, but it can easily be removed. However, if you want to thread it again at a later time, proceed as follows:

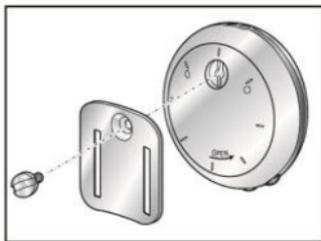
1. Thread the thin loop of the neck strap through the eyelet on the upper side of the receiver. If necessary, use a bent paperclip for help.

2. Pull the other end of the neck strap completely through the loop.

## Option 2- Attached to your Belt



1. Remove the battery cover on the back side.
2. Pull or press the small cap out.
3. Replace the battery cover.
4. Using the screw, attach the belt clip to the receiver.

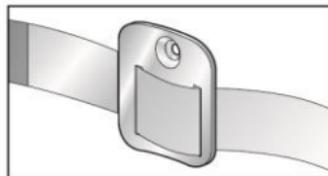


Keep the cap in a safe place; you might want to remove the belt clip in the future and close the opening.

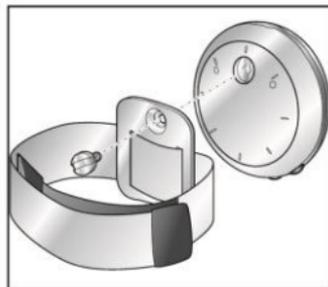
**Do not** insert your belt through the clip slots. They are designed for the arm band.

## Option 3- On the Arm

1. Insert the arm band through the slots of the belt clip.
2. Proceed as described above in “Option 2” (Items 1-3).
3. Screw the belt clip to the receiver with the arm band pulled through.



Use the Velcro to fit the arm band to your arm width.



## Care

### **CAUTION!** Damage to the Unit

Do not use caustic cleaners, alcohol, thinners, etc. to clean the case.  
Whenever necessary, use a soft, dry cloth to clean the case.

## **Using the Receiver**

### **WARNING**

The use of headphones/earphones at a loud volume or over a prolonged period of time can lead to permanent hearing damage.

Set the volume at a low level before putting the headphones on.

(On the optional model R-120BL, the display will light up for a few seconds when a button is pressed while the receiver is in operation. When the battery charge is under 1/3 approximately, the receiver will operate in a “save” mode in which the back light is turned off. The standard receiver R-120 does not include a backlight.)

The headphone cord also serves as an antenna. Therefore, it should be fully extended.

Note: In the United States, the FCC rules limit use of this equipment to auditory assistance and simultaneous interpretation. In other countries, please consult your local authorities.

### **Turning the Receiver On and Off**

To Turn the receiver on and off, gently press and hold the POWER button for approximately 2 seconds.

## Selecting Channels

The unit has 20 channel settings.

To change channels: Press the **CHANNEL+** or **CHANNEL-** button

## Setting the Volume

To increase the volume: Press the **VOLUME+** button.

To decrease the volume: Press the **VOLUME-** button.

## Changing Factory Set Frequencies

The receiver is factory set to the following frequencies:

|                |                 |                 |                 |
|----------------|-----------------|-----------------|-----------------|
| CH 1: 72.1 MHz | CH 6: 75.3 MHz  | CH 11: 72.2 MHz | CH 16: 72.4 MHz |
| CH 2: 72.5 MHz | CH 7: 72.3 MHz  | CH 12: 72.6 MHz | CH 17: 75.6 MHz |
| CH 3: 72.9 MHz | CH 8: 72.7 MHz  | CH 13: 75.4 MHz | CH 18: 72.0 MHz |
| CH 4: 75.7 MHz | CH 9: 75.5 MHz  | CH 14: 75.8 MHz | CH 19: 76.0 MHz |
| CH 5: 74.7 MHz | CH 10: 75.9 MHz | CH 15: 72.8 MHz | CH 20: 73.0 MHz |

If you wish to modify the frequency assigned to a channel, please follow the steps listed below:

1. Select the desired channel by pressing the **CHANNEL+** or **CHANNEL-** button.
2. Press and hold the **PROGRAM** button for approx. 6 seconds to access the program mode and the current assigned frequency will be shown on the display.
3. Press the **CHANNEL+/-** button to modify the frequency assigned to that channel.
4. Press the **SET** button to save your selection (Proceed within 10 seconds while setting, otherwise the unit will switch back to normal mode and you will have to repeat this procedure). If you wish to set another channel, press and release the **PROGRAM** button to select the next channel and repeat steps 3 and 4.
5. Press and hold the **PROGRAM** button for 6 seconds to exit the **PROGRAM** mode; otherwise, after 10 seconds the receiver will automatically switch back to normal mode.

Note: For multi-channel operation in the same room it is recommended to leave at least 0.4 MHz between channels. To avoid interference due to intermodulation, place transmitter's antennas apart from each other. Frequencies on channels 1 to 6 are strategically allocated to be used in the same room simultaneously.

## **Locking/Unlocking the Receiver**

The receiver can be locked to prevent changing channels accidentally. The lock function will not affect “Volume” or “Power” buttons.

1. To lock the receiver, press and hold the **LOCK** button for approx. 3 seconds until the key symbol appears on the bottom right corner of the display.
2. To unlock the receiver, press and hold the **LOCK** button for approx. 3 seconds until the key symbol disappears from the bottom right corner of the display.

## **Limited Lifetime Warranty**

Enersound warrants its R-120 receivers built after May 15, 2019 to be free from defects in workmanship and material under normal use and conditions for the useful lifetime of the product from date of purchase from an authorized dealer. All other products and accessories, including but not limited to headphones, earphones, belt clips, neck straps, cases, cables, etc. are warranted for one year from the date of purchase. This warranty is only available to the original end purchaser of the product and cannot be transferred. Limited Lifetime Warranty is only valid if warranty has been registered within 90 days of purchase, otherwise, R-120 receivers will be warranted for 3 years from date of purchase from an authorized dealer.

To register your warranty, visit [www.enersound.com/warranty-registration/](http://www.enersound.com/warranty-registration/). You can also register by e-mail at [support@enersound.com](mailto:support@enersound.com) or by mail at 5869 SW 21st ST, West Park, FL 33023, USA.

Please include your name, contact information, products purchased with serial number and retailer name (Serial number for R-120 receivers can be found in the battery compartment). If the product is determined to be defective, Enersound will repair or replace it, at its discretion, at no charge. Customer must pay for shipping, handling, insurance and any duties and taxes if applicable. This warranty is void if damage occurred because of misuse or if the product has been repaired or modified by anyone other than a factory-authorized service technician. Warranty does not cover normal wear and tear on the product or any other physical damage unless the damage was the result of a manufacturing defect. Damage due to battery leakage, water, sweat, corrosion, humidity, extreme temperature, chemicals or any other external factor is not covered under this warranty.

Reimbursement for your costs of removing and transporting the product for warranty service evaluation or installation of any replacement product are not covered by this warranty.

Enersound has no control over the conditions under which this product is used. Therefore, disclaims all warranties not set forth above, both express and implied, with respect to the R-120 receiver, including but not limited to any implied warranty of merchantability or fitness for a particular purpose. Enersound R-120's manufacturer, distributors and/or dealers shall not be liable to any person or entity for any medical expenses or any direct, incidental or consequential damages caused by any use, defect, failure or malfunction of the product, whether a claim for such damages is based upon warranty, contract, tort or otherwise. The sole remedy for any defect, failure or malfunction of the product is replacement of the product. No person has any authority to bind Enersound to any representation or warranty with respect to the R-120 receiver. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state. Some states do not allow limitations on how long an implied warranty lasts, the exclusion or limitation of incidental or

consequential damages, so the above limitation may not apply to you. This warranty does not cover products sold AS IS or WITH ALL FAULTS. For products sold outside the US, please consult with your local dealer about specific terms and conditions that may be applicable in your county. Proof of purchase in the form of a bill of sale, invoice number or receipted invoice, which is evidence that the unit is within the warranty terms must be presented to obtain warranty service. If you experience difficulty with your system, send an email to **support@enersound.com** with your name, address, phone number and a complete description of the problem. We will respond to you as soon as possible and if it is necessary to return the system for service, your Customer Service Representative will give you a Return Authorization Number (RAN) and shipping instructions.

For more information, visit **www.enersound.com**.

You may also call 1-305-731-2416 or our toll-free number 1-800-644-5090 within the US.

Our address is 5869 SW 21st Street, West Park, FL 33023, USA.

This limited warranty, prices and the specifications of products are subject to change without notice.

## Technical Data

Model: R-120

Batteries: (2) Alkaline AAA (1.5V x 2)

Or (2) NiMH AAA Rechargeable

Battery life:

Up to 55 hours of use w/Alkaline Batteries

Up to 40 hours w/NiMH Rechargeable

Number of channels: 20 programmable

Frequency range: FM 72.0 to 76.0 MHz.

FM deviation: +/- 75 KHz

De-emphasis: 75 uS.

Sensitivity: 1.12 uV at 12 db SINAD.

Signal to noise ratio: 55 db at 100 uV.

Audio frequency response: 80 Hz to 12 KHz

Audio power: 33 mW +33 mW at 32 ohms.

Audio connector: 3.5mm stereo phone jack.

Current consumption: 22 mA nominal

Dimensions: 3" Diameter / 76 mm.

High: 1.22" / 31 mm.

Weight without batteries: 2.3 ounces (65g).

Weight with batteries: 3.1 ounces (88g).

## Disposal

Dispose the packaging in the proper manner. Containers for the proper disposal of batteries are provided at battery retailers as well as at local authority collection points.



Should you wish to dispose the product, do so in accordance with the latest local regulations.

Details are available from your local authority.

**2020 All rights reserved.**

**[www.enersound.com](http://www.enersound.com)**