

# RINGMAX<sup>®</sup>



## OWNER'S MANUAL

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## INSTALLATION PRECAUTIONS

- 1 Never install telephone wiring during a lightning storm.
- 2 Never install telephone jacks in damp environments unless the jack is specifically designed for damp environments.
- 3 Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- 4 Use caution when installing or modifying phone lines.
- 5 Keep your RINGMAX away from appliances that generate electrical noise, such as fluorescent lamps, heaters, motors, computers, television sets and radios.

## IMPORTANT SAFETY INSTRUCTIONS

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury, including the following:

- 1 Read and understand all instructions!
- 2 Follow all warnings and instructions marked on the product!
- 3 Unplug the RINGMAX from the telephone network jacket before cleaning! Do not use liquid cleaners or aerosol cleaners! Use a soft, damp cloth for cleaning!
- 4 Do not use the RINGMAX outdoors or near water, for example, near a bathtub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool!
- 5 Do not place the RINGMAX on an unstable cart, stand, or table! The RINGMAX may fall and be seriously damaged.
- 6 The RINGMAX should be operated only from the type of batteries indicated on the bottom of the battery compartment.
- 7 Do not allow anything to rest on the telephone line cord! Do not run the cord where it can be stepped on!

- 8 Never spill liquid of any kind on the RINGMAX!
- 9 To reduce the risk of electric shock, do not disassemble the RINGMAX. Take it to a qualified technician when service or repair work is required! Opening or removing covers may expose you to dangerous voltage or other risks. Incorrect assembly can cause electric shock when the appliance is subsequently used.
- 10 Unplug the RINGMAX from the telephone network jacket and refer for service to a qualified technician under the following conditions:
- A When the line cord is damaged or the modular plug is damaged or frayed.
  - B If liquid has been spilled into the RINGMAX.
  - C If the RINGMAX has been exposed to rain or water.
  - D If the RINGMAX does not operate normally when the operating instructions are followed. Adjust only those controls covered by the operating instructions! Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the RINGMAX to normal operation.
  - E If the RINGMAX has been dropped or the cabinet has been damaged.
  - F If the RINGMAX exhibits a distinct change in performance.

- 11 During thunderstorms, avoid using telephones except cordless models! There may be a remote risk of electric shock from lightning.
- 12 Do not use the telephone to report a gas leak in the vicinity of the leak!

## SAVE THESE INSTRUCTIONS!

Explanation of symbols:



Indicates dangerous voltage inside the enclosure, possible electric shock or fire hazard.



Indicates important notice of operating or servicing instructions.

## GENERAL INFORMATION

Congratulations on your choice of RINGMAX! Read the instructions below carefully and we are sure that you will receive great pleasure from the use of your RINGMAX for many years to come!

RINGMAX is an extra ringer for your telephone, equipped with adjustable volume and tone. These adjustable tones (16 different tones) help you distinguish your telephone ring from others. You will no longer be in any doubt as to whose phone is ringing.

If you have a hearing impairment you can adjust the tone and volume to make it easier for you to hear the telephone ring. Select the tone frequency and volume to suit your hearing the best. The RINGMAX tone frequencies have been selected in consultation with qualified audiological technicians.

Via the adjustable volume, RINGMAX can also function as an extra ring amplifier in, for example, noisy environments.

RINGMAX is designed for use on the general telephone system (and on telephone exchange systems), which use bell voltages of 30-150 V.A.C., 20-50 Hz.

RINGMAX complies with Part 68 of the FCC Rules.

## PACKING LIST

- 1 tone ringer unit
- 1 line cord & "Y-adapter"
- 1 instruction manual
- 4 "AA" batteries
- 1 Screw & plug
- 1 Battery compartment secure screw

## INSTALLATION - Follow these instructions:

Insert the batteries

Remove the cover of the battery compartment on the back of your RINGMAX. You will see how the batteries should be inserted via the markings on the bottom of the battery compartment. When you have inserted the four batteries correctly, slide the cover back over the battery compartment. See Fig. 1.

Use 1.5-volt alkaline batteries, size "AA". These batteries may also be designated LR6 or AM3.

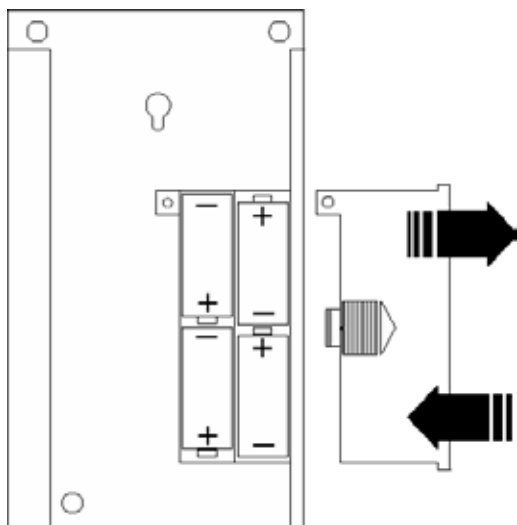


Fig 1

## Mounting the RINGMAX on the wall

Fasten the the enclosed mounting screw to the wall at a suitable place. Mount the RINGMAX on the screw via the "keyhole" on the backside of the unit. Please note that the length of the line cord is 3 meters (10 feet); do not mount the unit too far from the telephone socket. To avoid damage to the RINGMAX, always make sure that it is well attached. See Fig. 2.

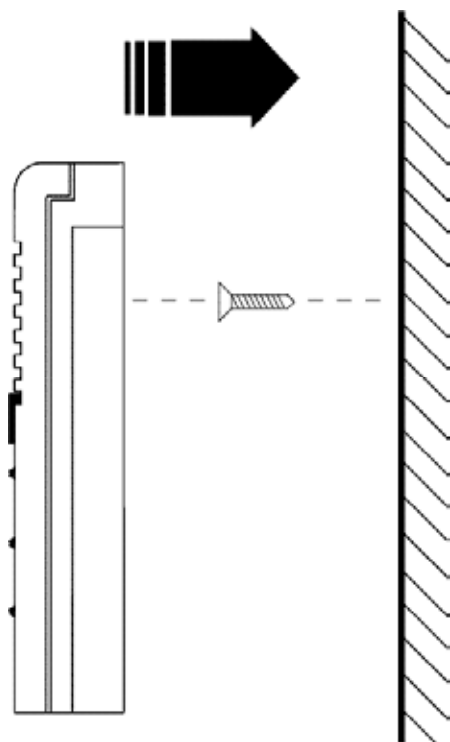


Fig 2



## Connecting RINGMAX to the telephone system



**Note:** The RINGMAX should be connected to a single phone line only. Do not attempt to connect the RINGMAX to a phone bank or multi-phone line system or it will not work properly.

A line cord is enclosed in the packing. One end of the line cord is provided with a modular plug. Connect this plug to the corresponding plug on the bottom of the unit. See Fig. 3.

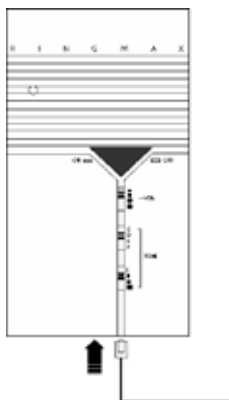


Fig 3

If there is no wall or floor socket available, use the enclosed "Y-adapter", see Fig. 4. (If you have an old type of telephone socket you will have to insert a 4-prong modular adaptor first.)

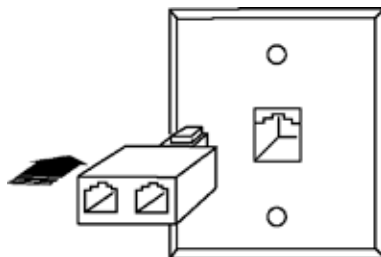


Fig 4

Now connect the modular plug on the other end of the line cord, either to the available wall or floor socket, or to the "Y-adaptor". See Fig. 5.

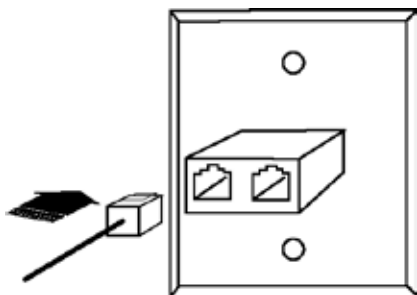


Fig 5

To connect a telephone to the same "Y-adaptor", insert the telephone's modular plug into the "Y-adaptor". See Fig. 6.

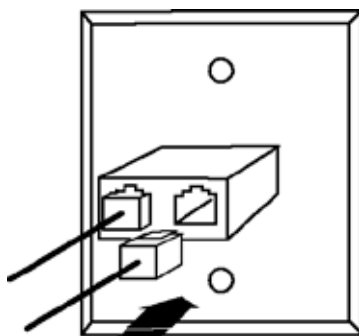


Fig 6

## Turning the RINGMAX on and off

By pressing the triangular ON/OFF button you can easily switch the RINGMAX on or off. If you decide to switch the RINGMAX off (button up) it will remain completely silent when the telephone rings. See Fig. 7.

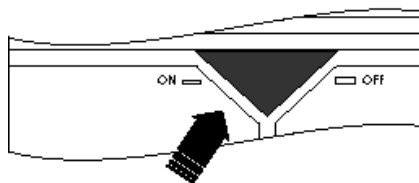


Fig 7

## Setting volume and tone

The volume control has four positions. Each position has a mark, which indicates the selected ring volume. A small mark indicates a low ring volume while a large mark indicates a loud ring volume. By moving the control up and down in the four different positions you can select the ring volume that suits you best. See Fig. 8.

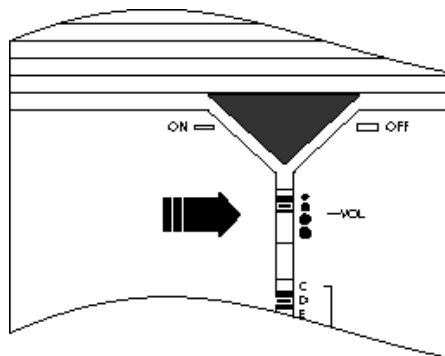


Fig 8

If you do not wish to hear the normal ring signal of your telephone, turn it off or turn it down. If you are unsure of how to do this, see the instruction manual for your telephone.

The tone control comprises two controls placed under the volume control. With the aid of the top control you can select the tone frequency for the ring signal (marked with C, D, E and F). With the aid of the bottom control you can select the number of tone pulses each ring signal is to have (marked with I, II, III and IIII). By moving the controls up or down in their four positions you can easily choose between 16 different ring tones. See Fig. 9.

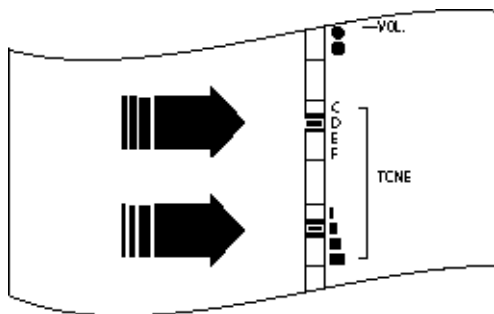


Fig 9

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The easiest thing to do is to give it a try. Ask someone to call you up at the same time as you select your favorite ring signal. If there are several RINGMAX at the same place it is best to choose the most different tones tones.

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## Connecting optional outdoor speaker

On the bottom of the RINGMAX ringer is a 3.5 mm accessory jack for use with an optional remote speaker. See Fig 10. The remote speaker can be installed in another room or outdoors to make it even easier to hear the phone when it rings. For more information on the remote speaker, contact your local dealer or hearing products provider.

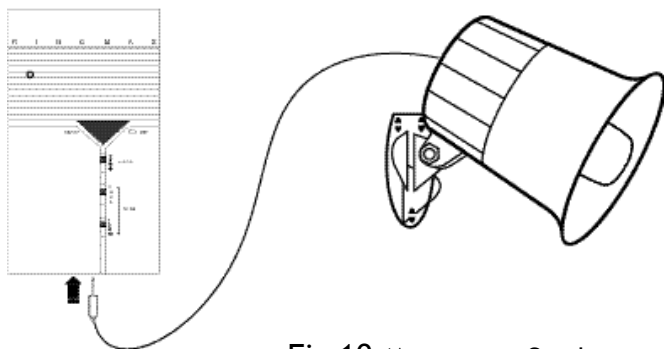


Fig 10 (Accessory: Outdoor speaker)

## MAINTENANCE

Handle your RINGMAX ringer with care. Avoid exposing the RINGMAX to knocks or blows, rain or damp environments, extreme heat or direct sunlight, leaking batteries, vibrations or heavy dust, etc.

When cleaning the RINGMAX use a lightly moist cloth. If necessary, use a mild detergent only. Never use strong detergents or you may damage the surface finish of your RINGMAX.

## FCC REGISTRATION AND INFORMATION

The RINGMAX has been registered with the Federal Communications Commission (FCC), for direct connection to the telephone lines. To comply with the FCC regulations, the following instructions must be read carefully and applicable portions followed completely.

- 1 The RINGMAX complies with Part 68 of FCC regulations. A label located on the back side of the RINGMAX contains the FCC registration number and ringer equivalence number (REN). If requested, this information must be provided to the telephone company.

- 2 As indicated in this owner's manual, the correct modular jack for the RINGMAX is a USOC RJ-11.
- 3 The Ringer Equivalence Number (REN) is used to determine the amount of equipment that may be connected to the same telephone line. Excessive REN's on the telephone line may result in the equipment not ringing in response to an incoming call.  
  
In most, but not all areas the total number of the REN's should not exceed five (5.0). You may want to contact your local telephone company for the maximum total REN's in your calling area.
- 4 If this ringer damages the telephone network, the telephone company may temporarily discontinue your telephone service. If possible, the telephone company will notify you in advance. But if advance notice isn't practical, you'll be notified as soon as possible. You'll be given the opportunity to correct the problem, and you'll be informed of your right to file a complaint with the FCC.
- 5 The telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the operation of this ringer. If this happens, the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.
- 6 If problems arise with the RINGMAX, please contact your local dealer or Williams Sound representative for service and repair. If the problem damages the telephone network, the telephone company may request you to remove the equipment from the network until the problem is resolved. Repairs must not be made by the user; this will void the user's warranty.
- 7 The RINGMAX cannot be used on public coin service provided by the telephone company. Connection to Party Line service is subject to state tariffs (contact your state public utilities commission for this information).

## INTERFERENCE INFORMATION: PART 15 OF FCC RULES

Some telephone equipment generates and uses radio-frequency energy and, if not installed and used properly, may cause interference to radio and television reception. Your RINGMAX has been tested and found to meet the standards for a Class B computing device, as specified in Subpart J of Part 15 of the FCC Rules. These specifications are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If your telephone causes interference to radio or television reception when it is in use, you might correct the problem by taking any one or all of the following measures:

- 1 Where it can be done safely, re-orient the television or radio receiving antenna.
- 2 To the extent possible, relocate the television, radio or other receiver with respect to the telephone equipment.
- 3 If your telephone product runs on AC power, plug your product into an AC outlet that is not on the same circuit as the one used by your radio or television.

### RECYCLING INSTRUCTIONS

#### BATTERY SAFETY AND DISPOSAL



Help Williams Sound protect the environment! Please take the time dispose of your equipment properly.

#### **Product Recycling:**

Please do NOT dispose of your Williams Sound equipment in the household trash. Please take the equipment to a electronics recycling center; OR return the product to the factory for proper disposal.



#### **Battery Recycling:**

Please do NOT dispose of used batteries in the household trash. Please take the batteries to a retail or community collection point for recycling.

## SPECIFICATIONS

Dimensions	6.1" x 3.5" x 1.25" (155 x 90 x 32 mm)
Weight	~300 grams (including batteries)
Max volume / 1 meter	~95 dB, 4 step adjustable
Frequency range	500-1300 Hz, 4 step adjustable
Tone pulse interval	4 step adjustable
Power supply	4 x 1.5 volt alkaline batteries size °AA° (LR6 or AM3)
Battery lifetime	~3 years (during normal use)
Modular jack	USOC RJ-11
Approvals	FCC, RoHS, WEEE