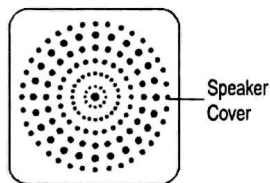


# Spokeman

model: KEC MA-2200

# User's Guide

Front



**For the Most Satisfactory Use of the Spokeman,  
Please Go Over this Instruction Sheet Carefully  
Contact Us with any Questions or Problems**

***Luminaud, Inc.* 800-255-3408, fax: 440-255-2250**

**e: [info@luminaud.com](mailto:info@luminaud.com)**

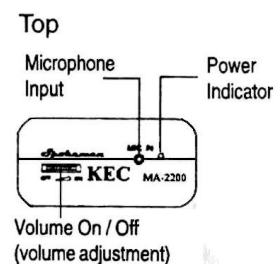
**STARTING TO USE THE SPOKEMAN** - Your Spokeman is sent from Luminaud with batteries installed but only slightly charged. (The government does not want instruments shipped with charged batteries.) You may have enough power to try it immediately before charging it. If not, see section below on Charging. **CAUTION: THE SPOKEMAN SPEAKER HAS A STRONG MAGNET - IF YOU HAVE A PACEMAKER, DO NOT USE, PLACE OR HOLD THE SPOKEMAN ABOVE THE WAIST UNLESS YOUR DOCTOR SAYS IT IS OK.**

a) Insert the Spokeman in the case with the volume/off/on switch on the top and the face of the front of the speaker toward the matching pattern of circular holes in the case. Lengthen the strap to the longest length and put the strap around your neck so that the Spokeman hangs down in front with the speaker facing into the room or else fasten it around your waist. (SEE CAUTION ABOVE).

b) Look over the directions with the microphone you have ordered and then insert the microphone plug into the "MIC IN" socket on the top of the Spokeman.

c) Put on and position the microphone according to its own instructions keeping the mic very close to your lower lip with the active part pointing toward your mouth.

d) Turn on the amplifier and begin talking. Note that the Power Indicator light on the top will glow green. (If it glows red, you will need to charge it before use—see Charging Your Batteries - bottom of the page.) Gradually increase the volume until you get up to a spot where your voice is being heard coming out of the speaker. Experiment with increasing the volume further. If you get to a point that you get a squealing sound, turn the volume down a little until it stops.



**NOW IT IS TIME TO EXPERIMENT TO FIND THE POSITIONS THAT WILL GIVE YOU THE MOST VOLUME WITH THE LEAST FEEDBACK PROBLEM.** To help avoid feedback:

- > Keep the mic and speaker face separated as far as practical.
- > Position the mic very close to the lower lip, facing toward the mouth. You should not be able to get a finger -width between the windscreen and your lip.
- > Do not face the speaker closely into furniture, walls or hard surfaces that might cause the sound to "bounce."
- > Keep your head up so that you are looking directly at the people you are talking to. Note that if you are wearing a headband mic and drop your head down toward your chest, it will probably bring the mic as much as 2 to 6 inches closer to the speaker and may increase feedback. If you have a Collar Mic, bend it so that the active end will be up at your mouth level when your head is up - so that you don't have to bend your head to use the mic.
- > Make sure your hand is not obstructing the speaker face and do not cup your hand around the microphone.

**POSITION THE SPEAKER AT WAIST LEVEL OR BELOW (people with pacemakers - see caution above);**

Hang it around your neck or over your shoulder - Or use the strap to fasten it around your waist.

Or use the belt loop with the Velcro® closure to fasten the case around your belt. In any case, if wearing the speaker, try to keep it turned slightly to the opposite side of your body from the mic - for instance, if the mic is toward the right side of your mouth, have the speaker a little toward the left side of your body.

OR Hang the speaker from a chair arm or back or any convenient hook, knob or handle.

OR, if you wish, take the speaker out of the carrying case and set it on a table, desk or lap tray

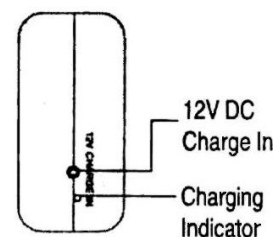
**In any placement, make sure the speaker is pointing AWAY from your face and the mic.**

**THIS MAY ALL SEEM A BIT COMPLICATED, BUT WITH A LITTLE PRACTICE**

**PLACEMENT AND USE WILL BECOME ROUTINE AND YOU'LL HARDLY HAVE TO THINK ABOUT IT.**

## CHARGING YOUR BATTERIES:

When the power indicator light turns from green to red, the Spokeman batteries need charging. Plug the plug on the charger cord into the Spokeman jack labeled 12V DC Charge In and then plug the charger into a wall outlet. A charging indicator light will show that the batteries are charging. **For a FULL charge, let the Spokeman charge for 10 to 15 hours. Do not charge for more than 36 hours.** (Note: the charger light does NOT go off when the charge is complete. It stays on as long as the charger is plugged in.) The need for charging will vary according to use. You may do a partial charge if you wish. For instance, if the batteries have been in use and you want a full charge to travel with, it is alright to top them off with a few hours of charge even though the power light does not show that a charge is needed.



OTHER SIDE: **LOW/HI SETTING,**

**USING NON-RECHARGEABLE BATTERIES,**

**SPECIFICATIONS**

## LOW/HI - INDOOR/OUTDOOR SETTING

The Spokeman will arrive set at "LOW". This setting reduces feedback problems when you are in a small room. If you need stronger amplification for larger rooms, noisier areas or greater distance indoors or out, you can switch the LOW/HI Power Control Switch to the HI position.

Remove the battery cover.

Remove the two left side batteries over the switch. They will come out more easily if you remove the second from the left battery first, then the far left battery.

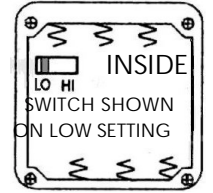
THE MAGNETIC PULL OF THE SPEAKER MAY MAKE REMOVING THEM A LITTLE HARDER THAN YOU EXPECT.

Move the switch to the preferred position.

Carefully return the batteries to the correct position. Note the diagram on the inside of the back cover. Put the cover back on the battery compartment.

**THE SPOKEMAN WILL BE MORE PRONE TO FEEDBACK AT THE HI SETTING SO YOU WILL NEED TO BE ESPECIALLY CAREFUL OF YOUR MIC AND SPEAKER POSITIONING AND VOLUME SETTING.**

As you will see, changing this switch is quite a nuisance. Most people will no doubt prefer one setting or the other for general use & will only change the LOW/HI setting for a special situation.



## TO INSERT NEW RECHARGEABLE BATTERIES OR TO USE ALKALINE AAA NON-RECHARGEABLE BATTERIES:

After a year or two of use, your rechargeable batteries may need to be replaced. Or it may be that you are in an area where you can't recharge and you want to put in regular Alkaline AAA non-rechargeable batteries.

a) Open back cover and remove batteries.

THE MAGNETIC PULL OF THE SPEAKER MAY MAKE REMOVING THEM A LITTLE MORE DIFFICULT THAN YOU EXPECT.

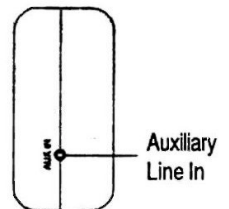
b) Insert the 6 new batteries carefully as shown on the inside of the back cover. Be sure to insert batteries with their + and - markings exactly in the position shown.

c) Replace the back cover.

## USING THE SPOKEMAN TO AMPLIFY A RADIO, A CD PLAYER OR A COMMUNICATION BOARD WITH A SOUND OUTPUT JACK:

Use a standard cable with a 3.5mm plug (If you don't have one, you can get one at places such as Radio Shack) to connect the music or sound source from its output jack to the "AUX IN" socket on the side of the Spokeman.

Side



## TROUBLE SHOOTING:

**NO SOUND?** Make sure that the volume is turned on/up with the green power indicator light glowing and that the mic plug is inserted all the way into the socket.

If the power indicator light is red and you are using rechargeable batteries, put them on charge.

If the problem persists, change batteries for a fresh set of non-rechargeable AAA batteries. If this takes care of the problem, that is a good indication a new set of rechargeable batteries is needed.

And/or if you have another mic that fits the Spokeman, try switching mics to see if there is a problem in the mic.

**DISTORTION ?** Breathy, popping or hissing sounds when talking - move mic to one side or the other of the mouth - placement to the side will avoid picking up these air noises from sounds like "s" and "p."

"Tinny" sound from the speaker - reduce your own voice volume or move the mic a bit farther from your mouth or a bit farther to the side of your mouth to avoid putting more sound into the system than the speaker can handle.

## SQUEAL - FEEDBACK?

Reduce the volume setting

Review the information on mic and speaker placement.

**IF YOU CONTINUE TO HAVE PROBLEMS, CONTACT US - SEE WARRANTY INFORMATION BELOW.**

**WARRANTY** - The Spokeman Amplifier has a limited warranty of 1 year against defective parts and labor. Warranty does not cover damage from accident, misuse or abuse such as dropping, crushing, submerging in liquid, exposure to excessive heat, damage from sharp objects, etc. The Spokeman comes from Asia, but we will take care of any repairs or problems here in Ohio. Warranty problems will be repaired or replaced at our discretion. Non-warranty repairs are done at as reasonable a charge as possible.

**MOST MICROPHONE WARRANTIES** are 90 days. See each mic's instruction sheet.

## INCLUDED IN THE SPOKEMAN BOX, YOU WILL FIND:

1 Spokeman Amplifier/Speaker with  
6 rechargeable AAA NiMH batteries inserted

1 charger  
1 Carrying Case with adjustable strap

## TECHNICAL SPECIFICATIONS

### POWERED SPEAKER

Rated Power: 5 watts peak

Dimensions: 3" x 3" x 1½"

Weight: 7.8 oz including batteries

Distortion: Less than 5%

Inputs: MIC IN, AUX IN & CHARGE IN

Input Voltage: DC 9V (AAA size battery, 6 ea.)

Consumption: 200mA (Normal)

### CHARGING ADAPTER

Input Voltage: 120 V. 60 Hz

Output Voltage: DC 12V

Output Capacity: 250mA

**Luminaud inc.**

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