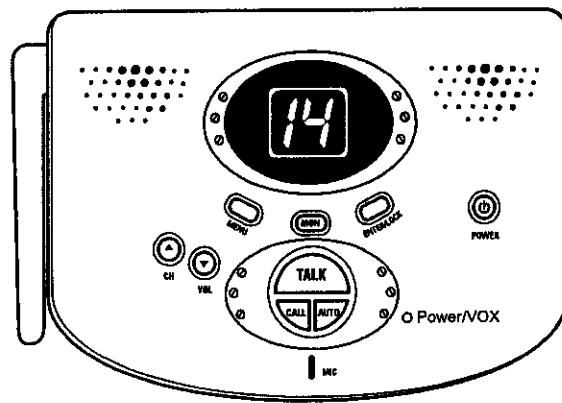


# Memorex®

## 14 CHANNEL FRS BASE STATION MODEL: MK1800

BEFORE OPERATING THIS PRODUCT,  
PLEASE READ THESE INSTRUCTIONS COMPLETELY.



## OPERATING INSTRUCTIONS

## SAFETY PRECAUTIONS



### CAUTION

RISK OF ELECTRIC SHOCK  
DO NOT OPEN



**CAUTION:** TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

### DANGEROUS VOLTAGE



The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

### ATTENTION



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

### SURGE PROTECTORS:

It is recommended to use a surge protector for AC connection. Lightning and power surges ARE NOT covered under warranty for this product.

### IMPORTANT:

**PLEASE KEEP ALL PACKAGING MATERIAL FOR AT LEAST 90 DAYS IN CASE YOU NEED TO RETURN THIS PRODUCT TO YOUR PLACE OF PURCHASE OR MEMOREX.**

**Before using, fill out and mail the registration card. This will make sure a permanent record is made with the date of purchase in case service is needed.**

## SAFETY PRECAUTIONS (CONTINUED)

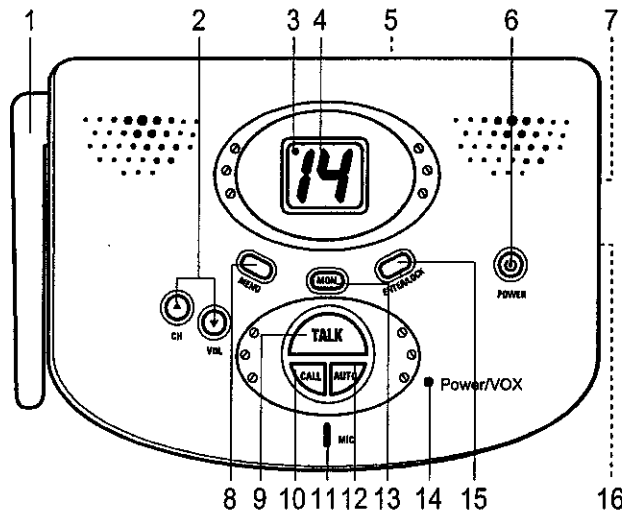
### FCC WARNINGS:


This device complies with part 15 of the FCC rules. Operation is subject to the condition that this device does not cause harmful interference.

### PRECAUTIONS:

- Do not modify or attempt to adjust the transceiver for any reason.
- Avoid extremes in exposure to water, heat and cold.
- Do not expose the transceiver to long periods of direct sunlight, nor should the transceiver be placed close to heating appliances.
- Do not place the transceiver in excessively dusty areas, humid areas, wet areas, or on unstable surfaces.
- If smoke is coming from the transceiver, immediately turn off the power and remove the batteries or unplug the unit. Contact your dealer.

## LOCATION OF CONTROLS

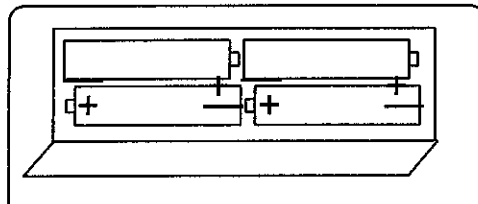


- |  |  |
|--|--|
| 1. Antenna                                 | 11. MIC (Microphone)   |
| 2. CHANNEL/VOLUME<br>Up/Down Buttons       | 12. AUTO Button  |
| 3. Transmit/Receiver Indicator             | 13. MONITOR Button   |
| 4. Display                                 | 14. Power/VOX Indicator  |
| 5. Battery Compartment<br>(Bottom of Unit) | 15. ENTER/LOCK Button  |
| 6. POWER Button                            | 16. DC6V Jack  (Side<br>of Unit) |
| 7. MIC/EARPHONE Jack<br>(Side of Unit)     |  |
| 8. MENU Button                             |  |
| 9. TALK Button                             |  |
| 10. CALL Button                            |  |

## POWER SOURCES

### BATTERY INSTALLATION

Open the battery compartment and insert four (4) "AA" size batteries (not included) following the polarity diagram. Put the battery compartment cover back into place.



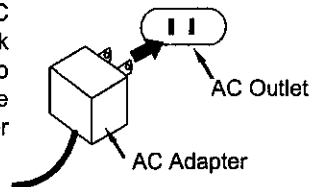
### BATTERY PRECAUTIONS

Follow these precautions when using batteries in this device:

1. Use only the size and type of batteries specified.
2. Be sure to follow the correct polarity when installing the batteries as indicated in the battery compartment. Reversed batteries may cause damage to the device.
3. Do not mix different types of batteries together (e.g. Alkaline and Carbon-zinc) or old batteries with fresh ones.
4. If the device is not to be used for a long period of time, remove the batteries to prevent damage or injury from possible battery leakage.
5. Do not try to recharge batteries not intended to be recharged; they can overheat and rupture. (Follow battery manufacturer's directions.)

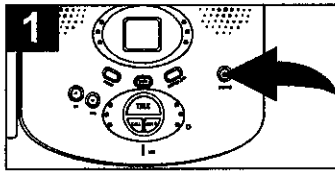
### DC JACK

To use this unit with the provided AC adapter having 6V and a positive center pin, insert the AC adapter's plug into the DC6V jack on the unit and the other end into an AC outlet. The batteries will be disconnected when the AC adapter is connected.



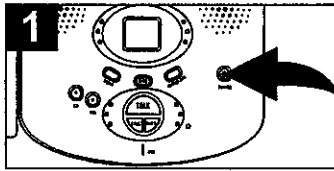
## OPERATION

### TO TURN THE UNIT ON



Press and hold the POWER button for 1 second; the unit will beep and the Power/VOX indicator will light green.

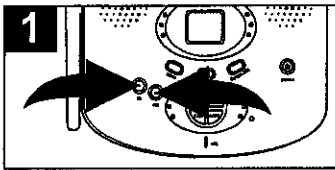
### TO TURN THE UNIT OFF



Press and hold the POWER button for 1 second; the unit will beep and the Power/VOX indicator will turn off.

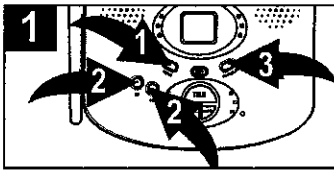
If there are no transmissions for 2 seconds, the unit will automatically switch to standby mode (display will turn off), which will save batteries (if used). When a transmission is received or if you attempt to send a transmission, the display will turn back on.

### TO ADJUST THE VOLUME



To adjust the volume, press the CHANNEL/VOLUME Up or Down button until the desired level (1 to 16) appears in the display.

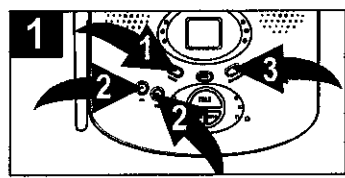
### TO SELECT A CHANNEL



To select a channel, press the MENU button once and the display will blink. Within 7 seconds, press the CHANNEL/VOLUME Up or Down button until the desired channel (1 to 14) appears in the display. Press the ENTER/LOCK button when done.

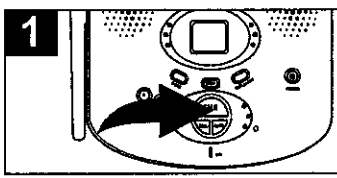
### OPERATION (CONTINUED)

#### TO SET THE BEEP



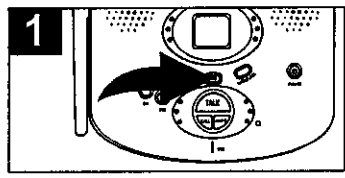
This option will determine whether or not a beep is heard after each button press. Press the MENU button **1** twice and the display will either show "b" or "-". Within 7 seconds, press the CHANNEL/VOLUME Up or Down button **2** to turn the beep on ("b" will appear in the display), or off ("- " will appear). Press the ENTER/LOCK button **3** when done.

#### TO TRANSMIT



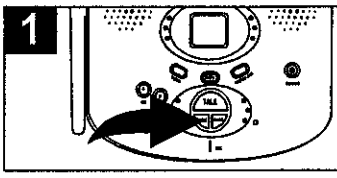
To transmit, press and hold the TALK button and speak into the built-in microphone (or the external microphone, if connected). When the TALK button is pressed, the Transmit indicator will light and the speaker will be muted. When the TALK button is released, the listener will hear a beep to confirm you are done speaking.

#### TO MONITOR



This function will unmute the speaker/disable Auto Squelch as long as it is pressed. This is useful to hear signals that are too weak to be recognized or to adjust the volume to background noise. To monitor, simply press and hold the MONITOR button.

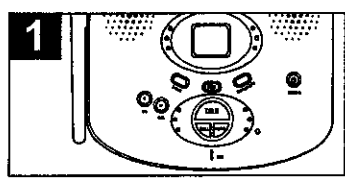
#### TO SEND A CALL TONE



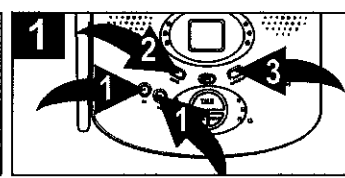
This function will send a distinctive tone to users who are tuned to the same channel as your unit. The users you are trying to reach will recognize your distinctive call tone. To send a call tone, simply press the CALL button once.

### OPERATION (CONTINUED)

#### LISTENING TO TRANSMISSIONS TO LOCK CONTROL KEYS

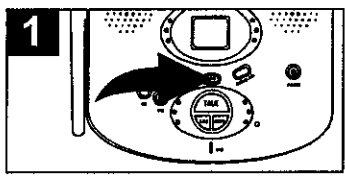


When the unit is on, it will automatically broadcast the incoming signal when a strong incoming signal is received on the selected channel.



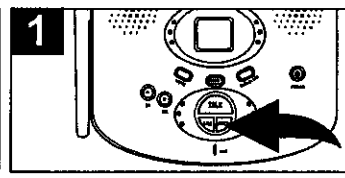
This function will lock the CHANNEL/VOLUME Up/Down 1 and the MENU 2 buttons.  
To activate, press and hold the ENTER/LOCK button 3 for 2 seconds; the unit will beep and "L" will briefly appear in the display.  
To deactivate, press and hold the ENTER/LOCK button 3 for 2 seconds; the unit will beep and "-" will briefly appear in the display.

#### AUTO SQUELCH



This unit is equipped with Auto Squelch, which will automatically mute weak transmissions and unwanted noise. Auto Squelch can be temporarily turned off using the MONITOR button (see TO MONITOR section on the previous page.)

#### VOX (VOICE ACTIVATION)



Voice activation will allow you to listen/transmit while freeing your hands for other tasks. Press the AUTO button; the VOX indicator will light red. Then whenever the unit detects a sound or voice, it will automatically transmit. To shut this function off, press the AUTO button again; the Power / VOX indicator will light green.



## OPERATION (CONTINUED)

### CONNECTING EARPHONE/HEADPHONES:

For private listening, you can connect an earphone or headphones with a 1/8-inch plug to the MIC/EARPHONE jack on the side of the unit. This automatically disconnects the internal speaker. Adjust to a desired volume level, but do not adjust the volume too high to avoid damage to your hearing.

### CONNECTING A MICROPHONE:

Connect a microphone with a 1/8-inch plug to the MIC/EARPHONE jack on the side of the unit. This automatically disconnects the internal microphone.

### FREQUENCY RANGE:

FRS CHANNEL	CHANNEL FREQUENCY (MHZ)
1	462.5625
2	462.5875
3	462.6125
4	462.6375
5	462.6625
6	462.6875
7	462.7125
8	467.5625
9	467.5875
10	467.6125
11	467.6375
12	467.6625
13	467.6875
14	467.7125

## SPECIFICATIONS

### FREQUENCY:

Frequency..... 462 ~ 467 MHz

### RECEIVER:

Sensitivity (12 db signal)..... 0.25 uV  
Max audio output @10THD..... 320 mW  
Max S/N ratio @ 1mV RF input ..... 40 dB  
Squelch sensitivity ..... 0.2 uV  
Audio frequency response (300Hz/3000Hz) ..... ±10 dB  
Adjacent channel rejection..... 50 dB  
Intermodulation rejection ..... 50 dB  
Spurious response rejection ..... 50 dB

### TRANSMITTER:

Effective radiated power..... 320 mW  
Carrier frequency stability ..... ±1 KHz  
Modulation limiting ..... 2.5 KHz  
Carrier attack time..... 80 mS  
Audio frequency response (300Hz/3000Hz) ..... ±10 dB  
Audio distortion ..... 3%  
Hum and noise..... 30 dB

### POWER SUPPLY

Battery life ( 1:1:8 Ratio )..... 30 hrs  
Batteries ( 4 X 1.5V "AA" )..... 4.8 - 6.0V

Specifications are subject to change without notice.

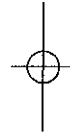
FOR ADDITIONAL SET-UP OR OPERATING ASSISTANCE,  
PLEASE VISIT OUR WEBSITE AT

**WWW.MEMCORPINC.COM**

OR CONTACT CUSTOMER SERVICE AT 1-800-919-3647

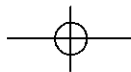
PLEASE KEEP ALL PACKAGING MATERIAL FOR AT  
LEAST 90 DAYS IN CASE YOU NEED TO RETURN THIS  
PRODUCT TO YOUR PLACE OF PURCHASE OR  
MEMOREX.

FOR PARTS AND ACCESSORIES, CONTACT FOX INT'L  
AT 1-800-321-6993.



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Weston, FL  
Printed in Hong Kong

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FAX NO. 2741 1693

**URGENT**

ATTN MS. JOYCE CHAN

THIS SAFETY INFORMATION IS A PAGE OF  
OPERATION MANUAL AFTER YOU GET CHAN FOR  
ME402RX 1.0K100 OR MUSICAL AUDIO FOR  
YOUR FINAL APPROVAL.

THANKS,

C.M.L

28 AUG 2001

**SAFETY INFORMATION**

Your wireless hand-held portable transceiver contains a low power transmitter. When the Push-to-Talk (PTT) button is pushed, it sends out radio frequency (RF) signals. The device is authorized to operate at a duty factor not to exceed 50%. In August 1996, the Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for hand-held wireless devices.

**IMPORTANT :** To maintain compliance with the FCC's RF exposure guidelines hold the transmitter and antenna at least 1 inch (2.5 centimeters) from your face and speak in a normal voice, with the antenna pointed up and away from the face. If you wear the handset on your body while using the headset accessory, use only the Musical Electronics Ltd. supplied belt clip for this product and ensure that the antenna is at least 1 inch (2.5 centimeters) from your body when transmitting.

Use only the supplied antenna. Unauthorized antennas, modifications, or attachments could damage the transmitter and may violate FCC regulations.

**WARNING :** Adjustment to this unit or replacement of any transmitter component (crystal, semiconductor, etc.) to this unit that could result in a violation of the rules.

**NOTE :** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures :

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

