

Memorex®

14 CHANNEL FAMILY RADIO SYSTEM MODEL # MK1700A



**BEFORE OPERATING THIS PRODUCT
PLEASE READ THESE INSTRUCTIONS
COMPLETELY**

CONTENTS

FCC Warnings .....	.1
Features .....	.1
Precautions .....	.1
Unpacking .....	.1
Controls and Indicators .....	.2
Supplying Power .....	.3
To Turn On or Turn Off The Unit .....	.4
To Transmit .....	.4
To Adjust Volume Control .....	.4
To Select Main Channel .....	.4
Monitor .....	.4
Automatic Channel Scan .....	.5
To Send Call Tone .....	.5
To Lock Control Keys .....	.5
To Turn On or OFF Beep .....	.5
Select Main Channel .....	.6
Frequency Range .....	.6
General Specifications .....	.7

INTRODUCTION

We welcome you to the Family Radio Service (FRS) 2-way “transceiver” (meaning “transmitter and receiver”) radio, designed for family and friends to keep in touch without the need for a license, or radio knowledge. It provides safety and convenience almost anywhere, indoors or outdoors.

The radio operates in Family Radio Service (FRS) designed frequencies.

The FCC has established the license free, short range two way radio service for family and individual recreational use - anywhere in the United States & other areas listed by the FCC.

The optimal range for this 2-way radio is approximately 2 miles in open areas, less in buildings, dense foliage, and mountains.

BEFORE YOU CAN TALK

Before you operate the radio, read this instruction manual carefully to know how to operate the radio.

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.

Features

No Air Time Fees and No License Required

Up to 2 miles range

14 Channel

Muti-function LED Display

Talk Confirmation Tone and Call / Ring Button

Auto Battery Saver and Auto Squelch

Monitor and Key Lock Button

External Microphone Speaker Jacks

Detachable Belt Clip

PRECAUTIONS

- Do not modify or attempt to adjust the transceiver for any reason.
- Avoid extremes in exposure to water, heat, and cold. This transceiver is weather resistant but not waterproof.
- Do not expose the transceiver to long period of direct sunlight, nor place the transceiver close to heating appliances.
- Do not place the transceiver in excessively dusty areas, humid areas, wet areas, nor on unstable surfaces.
- If an abnormal or smoke is detected coming from the transceiver, immediately switch OFF the power and remove the batteries from the transceiver. Contact your dealer.

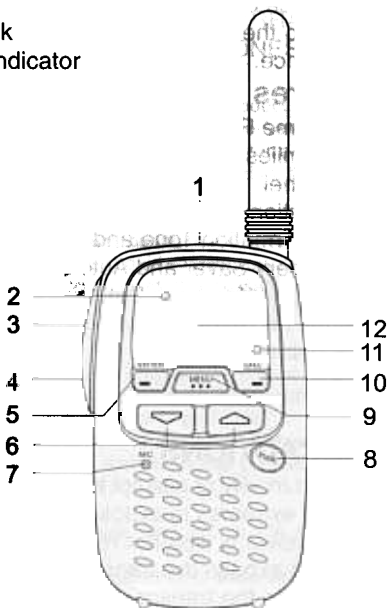
UNPACKING

Carefully unpack the transceiver. We recommend that you identify the items listed below before discarding the packing material.

- Transceiver1
- Belt Clip1
- Instruction Manual1

Controls and Indicators

1. Earphone/Microphone jack
2. Transmission/Reception indicator
3. PTT button
4. MONITOR button
5. ENTER/LOCK button
6. UP/DOWN buttons
7. Microphone
8. POWER button
9. MENU button
10. CALL button
11. Power Saver mode indicator
12. LED display



Display and Indicators

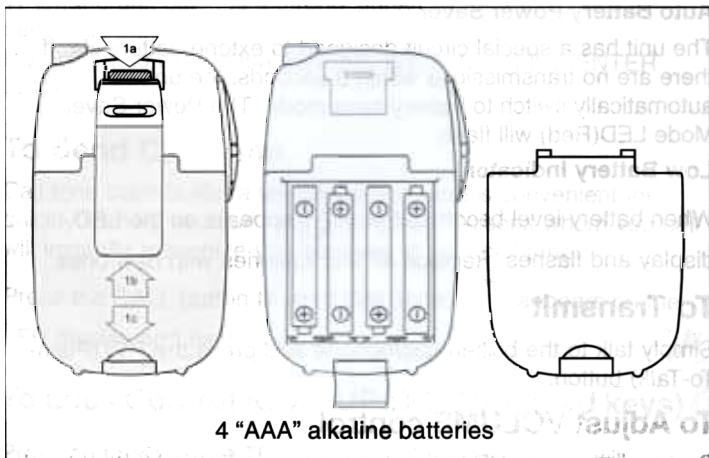
LED display - indicates Channel numbers, Volume level, Lock, Beep, Low Battery Level, etc.

Transmission and Reception indicator - When transmitting, the indicator stays on. The indicator flashes when receiving a signal.

Power Saver Mode indicator - flashes in Power Saver Mode.

Supplying Power


Install Batteries



1. (a) Lift the tab of the belt clip while
(b) pushing the clip up to remove it.
(c) Pull lock tab down and lift door up (towards you) to remove battery cover.
2. Insert four "AAA" batteries. Position batteries according to polarity markings. Reverse the steps in "1" to re-assemble.

Note : • Make sure the battery + and - terminals are aligned as shown above.

- When batteries are low or need charging the BATTERY

LOW  will blink. Replace all batteries with new alkaline batteries.


To Turn On The Unit or To Turn Off The Unit

Press the POWER switch for more than 1 second.

Auto Battery Power Saver

The unit has a special circuit designed to extend battery life. If there are no transmissions within 3 seconds, the unit will automatically switch to battery save mode. The Power Saver Mode LED(Red) will flash.

Low Battery Indicator

When battery level becomes low,  appears on the LED display and flashes. Replace all four batteries with new ones.

To Transmit

Simply talk to the built-in microphone and press the PTT(Push-To-Talk) button.

To Adjust VOLUME control

Press momentarily UP button to increase or DOWN button to decrease volume.

The higher number (16), the higher volume level.

To Select Main Channel

1. Press the MENU button. The LED display indicates a flashing number.
2. Press the UP or DOWN button to set a desired channel from 1 to 14.
3. Press the ENTER button.

Monitor

The Monitor function unmutes the speaker in any situation. Use this function when received signals are too weak to recognize or when you want to adjust the volume while listening to background noise.


Automatic Channel Scan

Press and hold the UP or DOWN button to search signals. When the unit catches a strong signal, scan will stop for 5 seconds.


If you want to stop at that channel, press the PTT or ENTER button.

To Send Call Tone


Call tone sounds like a telephone ring, and is convenient for quickly identify yourself to another party. Persons whom you call will instantly recognize you because of your call tone.

Press the CALL button to send Call Tone.  appears on the LED display and flashes.

To Lock Control Keys (UP/DOWN, MENU keys)

Press and hold the ENTER button for 2 seconds.  will appear on the display.

To unlock, press and hold the ENTER button for 2 seconds.

 will appear on the display.

To Turn On or Off Beep

To turn on Beep

1. Press the MENU button twice. The LED display indicates as shown at right.



or



2. Press the UP or DOWN button to select below.



Beep On



Beep Off

3. Press the ENTER button.

Select Main Channel

Family Radio Services (FRS) radios have 14 primary channels a communicate with others, all radios in your group must be set to same channel and code. (see charts for more details)

Frequency Range

The FRS 1700A unit represents one of the most advanced FM two-way radios used.

FRS Channel	Channel Frequency In MHz
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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

General Specifications

A. Frequency

CH = 14 Channels within 462 -467 MHz.

B. Receiver

1. Sensitivity

For 12 dB signal 0.25 μ V

2. Max. audio output @ 10% THD 300 mW

3. Max. S/N ratio @ 1mV RF input 40 dB

4. Squelch Sens 0.2 μ V

5. Audio frequency resp.

@ 300 Hz \pm 10 dB

@ 3000 Hz \pm 10 dB

6. Signal displacement BW \pm 5 kHz

7. Adjacent CH. rejection 55 dB

8. Intermodulation rejection 55 dB

9. Spurious response rejection 55 dB

C. Transmitter

1. Effective radiated power 500 mW

2. Carrier freq. stability 500 Hz

3. Modulation limiting 2.5 kHz

4. Carrier attack time 80 mS

5. Audio frequency response

@ 300 Hz \pm 10 dB

@ 3000 Hz \pm 10 dB

6. Audio distortion 3 %

7. Hum and Noise 40 dB

D. Power Supply

1. Battery life (1 : 1 : 8 Ratio) 30 Hr

2. Battery, AAA x 4 4.8 - 6.0 V



LIMITED WARRANTY AUDIO/PHONES

We at MEMOREX believe you will be pleased with your new Product. Please read this Warranty carefully. Memorex warrants this product to be free from manufacturing defects including original parts and workmanship for a period of ninety (90) days from the date of original purchase in, and if used in, the United States.

Should you find your unit is not operating properly during the terms of full coverage of this warranty, ninety (90) days, you should contact your original place of purchase for an exchange with a valid receipt. If necessary, Memorex will provide one of the following options (at Memorex's discretion), providing the manufacturing defect is verified along with the date of purchase.

- Repair service for ninety (90) days from date of original purchase at no charge for labor and parts at their authorized warranty service facility, providing the manufacturing defect is verified along with the date of purchase.
- Replacement of defective unit with either a new, refurbished, or equivalent model at no charge for ninety (90) days from date of original purchase.

This warranty is void if the product is :

- A) Damaged through negligence, abuse, misuse, accident, or acts of God.
- B) Used in commercial applications or rentals.
- C) Modified or repaired by anyone other than Memorex or their expressly authorized representative.
- D) Damage resulting from the improper connection to equipment of other manufacturers.

This warranty does not cover :

- A) Cost incurred in the shipping of the product to and from the Memorex authorized repair facility listed.
- B) Damage or improper operation caused by the failure to follow the operating instructions provided with the product.
- C) Routine adjustments to the product, which can be performed by the customer as outlined in the owner's manual.
- D) Signal reception problems caused by external factors.
- E) Products not purchased in the United States.
- F) Damage to the products used outside the United States.
- G) Damage to audiocassette tapes.
- H) Damage to Compact Discs.

In the event that service is required under this warranty, please contact **CUSTOMER SERVICE** at 1-800-919-3647 or contact our website at www.memorex.com.

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