

**THE
SHARPER
IMAGE®**

Color-Coded LCD Weather Station & AM/FM-Stereo Radio/Alarm Clock

MI605 Instructions



Read and save these instructions.

Dear Sharper Image Customer,

Thank you for your purchase of a Sharper Image product. We appreciate your business very much.

Please accept my personal assurance of your complete satisfaction with this product's quality and performance. We offer generous return privileges and excellent warranties on all our products.

For more than 25 years, The Sharper Image has shared the fun of discovering innovative products that make life better and more enjoyable. We've been in business a long time because we are an exciting place to shop and — just as importantly — we strive to deliver great customer service that exceeds your expectations.

Enjoy your purchase!

Respectfully,



Richard Thalheimer

Founder, Chairman and Chief Executive Officer

*Call 1-800-344-4444 for 24-7 ordering and customer service,
or go to **www.sharperimage.com**, our complete online store.*

Table of Contents

Warnings	4
Caution.....	4
Quick Start	4
Synchronization of Remote Unit & Main Unit	5
Weather Forecast.	6
General Instructions.....	7
Location of Controls.....	7
Buttons on Top Panel	7
Battery Installation.....	8
Setting the Clock.....	9
Setting the Alarm.....	9
Setting the Calendar.....	9
Radio Operation.	9
Weather Forecast	11
Weather Conditions	11
Indoor and Outdoor/Remote Temperature	12
Wireless Remote Temperature Transmission	12
Transmission Troubleshooting	13
Interference.	13
Reset Button	13
Talking Clock.....	14
Alarm Functions	14
Temperature-Sensing Backlight.....	15
General Troubleshooting	15
Statement of FCC Compliance.....	16
FCC Label Compliance Statement	16

Warnings

Warning: Changes or modifications to this unit not expressly approved by the manufacturer will void the warranty.

Caution

1. Avoid exposing the wireless remote unit to extreme temperatures, water or severe shock.
2. Do not expose the main unit to conditions of excessive force, shock, dust, extreme temperature, direct sunlight or humidity. Any of these conditions may shorten the life of the clock.
3. Do not tamper with any of the internal components of the unit. This will void the warranty under the above conditions.
4. Use only fresh batteries. Mixing old and new batteries may cause battery leakage.

Quick Start

1. The unit comes with a plug-in adapter and 4 AAA batteries. The batteries are for backup in case of a power outage. (This allows the unit to keep the time and other functions, although when on battery backup, the unit functions only as a clock. The radio, voice message and wake-up features will not operate.) To start the unit, install the batteries, then plug the main unit into a wall outlet using the included 10.5V adapter. If the radio is not working, check that the adapter has been plugged in properly.
2. Insert 2 AA batteries into the battery compartment on the remote unit, ensuring proper polarities are observed. Once the batteries are installed, the temperature appears on the remote unit's LCD screen.
3. Once both units — main and remote — are operating, the main unit shows the outdoor temperature that appears on the remote unit. This occurs within a few minutes.
4. After this occurs, place the remote unit in the desired outdoor location within 100 feet of the main unit. This should be as close to the main unit as possible. Ensure that it is not in direct sunlight. If necessary, screw the included wallmount bracket to a convenient outdoor location and place the remote unit inside the bracket.

Note: For more details on synchronization, please refer to the section entitled, "Wireless Remote Temperature Transmission."

Quick Start

5. A weather icon appears on the display showing the weather with one of five different icons from Sunny to Stormy. These icons project the next six hours of weather and weather trends. The weather center must be acclimated to the local area and altitude. **This process takes 48 hours.**

Notes:

- The first weather reading will not be accurate.
 - For more details on weather forecast icons and features, refer to the section entitled, “Weather Forecast.”
6. To set the clock, slide the **LOCK/ALM/TIME/CAL (Calendar)** switch to the **TIME** position. The clock time blinks. Press the **HOURL/MONTH** and **MIN/DATE** buttons until the desired time appears on the display. Slide the **LOCK/ALM/TIME/CAL** switch to the **LOCK** position.
 7. To set the alarm time, slide the **LOCK/ALM/TIME/CAL** switch to the **ALM** position. The alarm time blinks. Press the **HOURL/MONTH** and **MIN/DATE** buttons until the desired alarm time appears on the display. Slide the **LOCK/ALM/TIME/CAL** switch to the **LOCK** position. (See “Alarm Functions” section for more information.)
 8. To set the calendar, slide the **LOCK/ALM/TIME/CAL** switch to the **CAL** position. The date blinks. Press the **HOURL/MONTH** and **MIN/DATE** buttons until the current date appears on the display. Slide the **LOCK/ALM/TIME/CAL** switch to the **LOCK** position.

Synchronization of Remote Unit & Main Unit

1. After inserting the batteries into the main unit and remote unit, plug in the main unit using the 10.5V adapter. The LCD on the unit shows the indoor temperature and, within minutes, shows the outdoor temperature — the same temperature that appears on the remote unit. If at least 10 minutes pass and the outside temperature field displays “---,” ensure that there is a temperature appearing on the remote unit. If a temperature does appear on the remote unit, press the **RE-SYNC** button on the main unit and the **RESET** button on the remote unit. The temperature appears within a few minutes.
2. Once the units are in sync, place the remote unit in a desired outdoor location within 100 feet of the main unit. Once you have located a place for the outdoor unit, ensure that the main unit continues to show an outdoor temperature. If it is not showing an outdoor temperature, the remote unit has been placed either too far away or in an area where there is interference blocking the signal. The outdoor unit should be placed as close as possible to the main unit with as little interference as possible (walls, appliances, computers, etc.

Synchronization of Remote Unit & Main Unit

will reduce the range significantly). It is very important that the remote unit not be placed in direct sunlight and should be protected from extreme weather. This allows you to receive an accurate outside temperature reading and weather forecast.

Note: For more details on synchronization, please refer to sections entitled, “Wireless Remote Temperature Transmission” or “Transmission Troubleshooting.”

Weather Forecast

The main unit has a built-in barometer. The local weather forecast and weather tendency are predicted using the rate of change in atmospheric pressure based upon a norm. **When you first turn on the unit, it takes 48 hours for the unit to sense and calculate the norm or the middle pressure level.** After this time, the unit shows weather tendencies due to an increase or decrease in the barometric pressure. The icon on the unit shows what the weather tendency will be over the next six hours.

Weather tendency is indicated by and up or down forecast arrow. (See table below.)

1. The up arrow  indicates a significant increase in atmospheric pressure.
This normally means the weather is going to improve.
2. The down arrow  indicates a significant decrease in atmospheric pressure.
This means the weather is going to get worse.

Note: If the unit continually gives incorrect forecasts, it can be corrected by re-syncing the unit on a partly cloudy day. This allows the barometer to find the right barometric pressure level without being too high or low.

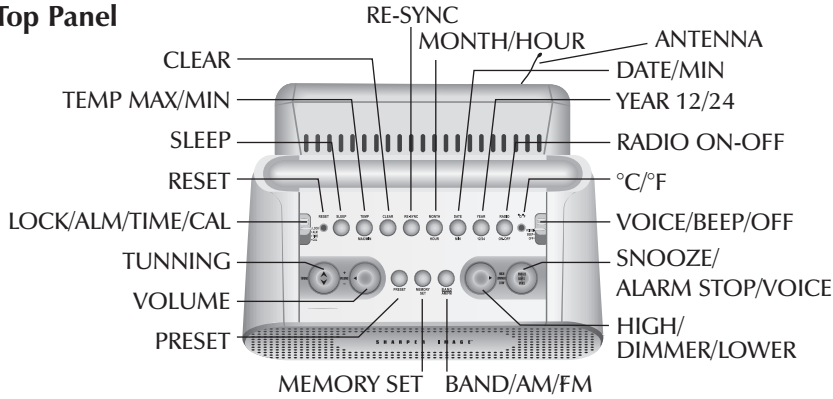
3. The forecast icon  without an arrow indicates a steady/insignificant change of atmospheric pressure. This means the weather will remain unchanged.

Tendency - Up	Tendency - Down	Tendency - Steady
		

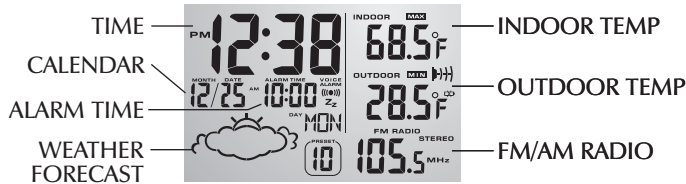
General Instructions

Location of Controls

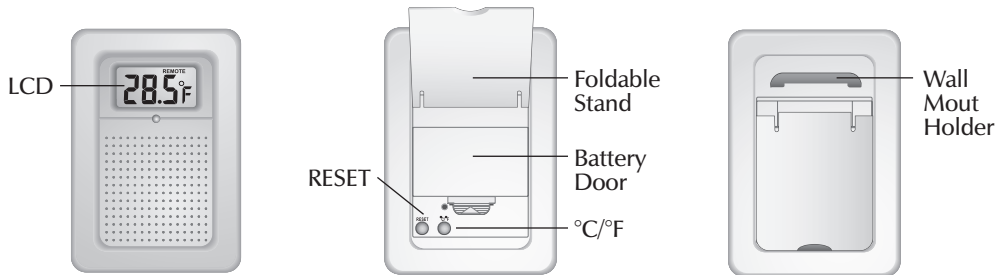
Top Panel



Screen



Remote Unit



Buttons on Top Panel

1. RESET – Clears and resets the entire display.
2. °C/°F – Changes temperature display to either Celsius or Fahrenheit.
3. TEMP/MAX/MIN – Displays the maximum and minimum temperatures for inside and outside temperatures.

Buttons on Top Panel

4. CLEAR – Clears the maximum and minimum temperature data while the maximum and minimum temperature is shown on the LCD.
5. RE-SYNC – Resynchronizes the main unit with the remote unit.
6. HOUR/MONTH – Changes the hour or month when setting the clock or calendar.
7. MIN/DATE – Changes the minutes or day when setting the clock or calendar.
8. 12/24/YEAR – Changes from 12-hour time to 24-hour time when setting the clock or the year when setting the calendar.
9. LOCK/ALM/TIME/CAL – Allows you to switch from locked to alarm set to time set to calendar set.
10. OFF/BEEP/VOICE – Switches the alarm sound from off to beep to voice.
11. SLEEP – Automatically turns the radio off after a certain amount of time. The maximum is 90 minutes.
12. PRESET – Changes the preset stations.
13. MEMORY SET – Stores station as a preset station.
14. BAND/AM/FM – Changes between AM & FM band.
15. RADIO ON-OFF – Turns the radio on or off.
16. TUNING ▲/▼ – Tunes the radio station.
17. VOLUME +/- – Controls the volume of the radio and messages.
18. SNOOZE/ALARM STOP/VOICE – Stops alarm. It also announces the time, outside temperature and forecast. This button also activates the automatic temperature sensing backlight while the unit is running on battery power.
19. HIGH DIMMER LOW – Adjusts the brightness of the LCD backlight.

Battery Installation

Main Unit

To enable the automatic temperature-sensing backlight, plug the main unit into the wall outlet using the included 10.5V adapter. In case of a power outage, insert 4 AAA batteries into the battery compartment on the rear of the main unit, ensuring proper polarities are observed.

Remote Transmitter Unit

Insert 2 AA batteries into the battery compartment on the remote unit, ensuring proper polarities are observed.

Setting the Clock

1. Slide the **LOCK/ALM/TIME/CAL** switch to the **TIME** position. The clock time blinks.
2. To set the time, press the **HOURL/MONTH** and **MIN/DATE** buttons until the desired time appears on the display.
3. To change 12-hour time to 24-hour time, press the **12/24/YEAR** button.
4. Slide the **LOCK/ALM/TIME/CAL** switch to **LOCK** position.

Setting the Alarm

1. Slide the **LOCK/ALM/TIME/CAL** switch to the **ALM** position.
The alarm time blinks.
2. To set the alarm time, press the **HOURL/MONTH** and **MIN/DATE** buttons until the desired alarm time appears on the display.
3. To change 12-hour time to 24-hour time, press the **12/24/YEAR** button.
4. Slide the **LOCK/ALM/TIME/CAL** switch to **LOCK** position. (See “Alarm Functions” section for more information.)

Setting the Calendar

The calendar can be set to any date between January 01, 2002 and December 31, 2051.

1. Slide the **LOCK/ALM/TIME/CAL** switch to the **CAL** position.
The date blinks.
2. To set the calendar, press the **HOURL/MONTH** and **MIN/DATE** buttons until the current date appears on the display.
3. Press the **12/24/YEAR** button until the current year appears on the display.
4. Slide the **LOCK/ALM/TIME/CAL** switch to **LOCK** position.

Radio Operation

Tuner

1. For best reception, completely extend the antenna.
2. To turn the radio on, press the **RADIO ON-OFF** button. The FM RADIO icon appears on the display screen.
3. To select the desired band (AM or FM), press the **BAND** button until the desired band icon appears on the display.
4. To manually tune to the desired station frequency, press the **TUNING UP** (▲) or **TUNING DOWN** (▼) button repeatedly until the desired frequency appears on the display.

Radio Operation

5. To automatically scan for stations with clear signals, press and hold the **TUNING UP** (▲) or **TUNING DOWN** (▼) button until the tuner begins searching for a station. The tuner will automatically stop on the next clear station.

Note: The tuner automatically transmits stations in stereo if that particular station is sending a stereo signal. The STEREO icon appears on the display.

Station Memory Presets

1. To turn the radio on, press **RADIO ON-OFF** button.
2. To select the desired band, press the **BAND AM/FM** button.
3. To store a radio station in one of the 15 AM and 15 FM preset positions, tune in the desired station.
4. Press the **MEMORY SET** button. The preset number flashes.
5. To select the desired memory location, press the **PRESET** button until the desired preset position appears on the display.
6. To confirm, press the **MEMORY SET** button again.
7. To scroll through all of the preset radio stations, repeatedly press the **PRESET** button. The unit will cycle through all preset stations in order.

Sleep Timer

The radio can be set to automatically turn off after a certain number of minutes (from 10 to 90).

1. To set the sleep timer while the radio is on, press and hold the **SLEEP** button for 2 seconds. The radio turns off temporarily. "90 MINS" flashes on the display.
2. To select the duration of the sleep timer, press the **SLEEP** button repeatedly until the desired length of time appears. The timer decreases in 10-minute increments between 90 and 10 minutes each time the **SLEEP** button is pressed. Two seconds after setting the desired length of time, the radio turns on again. The sleep timer is now set.

Note:

- To turn off the sleep timer, press the **SLEEP** button until "00" appears. The radio will not turn off automatically.
- The SLEEP mode only works when you manually turn on the radio.

Weather Forecast

The main unit has a built-in barometer. The local weather forecast and weather tendency are predicted using the rate of change in atmospheric pressure based upon a norm. **When you first turn on the unit, it takes 48 hours for the unit to sense and calculate the norm or the middle pressure level.** After this time, the unit shows weather tendencies due to an increase or decrease in the barometric pressure. The icon on the unit shows what the weather tendency will be over the next six hours.

Weather tendency is indicated by and up or down forecast arrow. (See table below.)

1. The up arrow  indicates a significant increase in atmospheric pressure. This normally means the weather is going to improve.
2. The down arrow  indicates a significant decrease in atmospheric pressure. This means the weather is going to get worse.

Note: If the unit continually gives incorrect forecasts, it can be corrected by re-syncing the unit on a partly cloudy day. This allows the barometer to find the right barometric pressure level without being too high or low.

3. The forecast icon  without an arrow indicates a steady/insignificant change of atmospheric pressure. This means the weather will remain unchanged.

Tendency - Up	Tendency - Down	Tendency - Steady
		

Weather Conditions

The current weather condition is displayed using one of five animated icons: Sunny, Partly Cloudy, Cloudy, Rainy or Stormy. (See table below.) The Stormy icon only appears when a sudden and serious drop in atmospheric pressure is detected.

Sunny	Partly Cloudy	Cloudy	Rainy	Stormy
				

Indoor and Outdoor/Remote Temperature Readout

1. The indoor and outdoor temperatures can be displayed in either °F or °C. To select °F or °C, press the °C/°F button on the main unit or remote unit until the desired display appears. The main unit converts the temperature if the remote transmitter unit is set to a different temperature display. If the temperature exceeds or falls below the unit's range, the LCD shows either "HI" or "LO" in place of the temperature.
2. To display the recorded minimum and maximum indoor and outdoor temperatures in succession, press the **TEMP MAX/MIN** button on the main unit repeatedly. The temperature display returns to the current temperature after 5 seconds or after hitting the **TEMP MAX/MIN** button three times. To clear the maximum and minimum temperature data, press the **CLEAR** button while the maximum and minimum temperature is shown on the LCD.

Wireless Remote Temperature Transmission

The Transmission frequency is 433MHz. The outdoor transmission range is 100 feet from the main unit. Obstacles, walls, etc. will reduce the transmission range. Once the main unit is plugged in or the batteries have been installed, it will start to receive signals for 10 minutes. Once batteries are placed in the remote unit, it will start to transmit temperature data to the main unit every 3 minutes. Upon successful reception, the remote/outdoor temperature will be shown in the remote temperature field on the LCD. The main unit automatically updates the remote reading in 3-minute intervals.

Receiver Signal Indicator Icons

The following icons indicate the signal transmission status on the LCD:

	NO SIGNAL DETECTION
	SIGNAL DETECTING
	SUCCESSFUL RECEPTION

Transmission Troubleshooting

1. If the main unit does not receive signals within the first 10 minutes, a blank "--" appears in the OUT TEMP field on the LCD. If at any time during operation a signal is not received after five consecutive intervals, blank "--" appears. The remote unit is either too far away or there is some interference between the remote and the main unit. If this happens, bring the remote unit close to the main unit and press the **RE-SYNC** button. The main unit will receive signals for 10 minutes. Move the remote unit to a new location closer to and in direct line of the main unit.
2. If the remote unit's batteries are running low, a low battery icon appears in the OUT TEMP field. Replace the batteries.
3. If the display unexpectedly goes blank, press the **RE-SYNC** button on the main unit to force the main unit to receive a signal. If this does not work, check the following:
 - The remote unit is still in place.
 - The batteries in both the remote unit and the main unit are still good. Replace if necessary.
 - The remote transmitter is within range and the path is clear of obstacles or other interference. (See "Interference" section.) Shorten the distance if necessary.

Interference

Signals from other household devices such as garage-entry controls, doorbells and home security systems may interfere with the temperature-data transmission and may cause temporary reception failure. This is normal and does not affect the general performance of the unit. The transmission and reception of the temperature reading will resume once the interference has stopped.

Reset Button

Press the **RESET** button when either the main unit or remote transmitter unit is not operating normally.

Talking Clock

To hear the current time, outdoor temperature and weather report, press the **SNOOZE/ALARM STOP/VOICE** button. If you press this button while the radio is on, the radio turns off temporarily. Once the update has been played, the radio automatically resumes play.

Alarm Functions

Voice Alarm

The voice alarm wakes you to the following sequence: 5 seconds of beeping, followed by “Good morning,” the current time, outdoor temperature, the weather report and then the radio plays for one hour. If no outdoor temperature is recorded on the display, the alarm skips this function.

1. To select the voice alarm, slide the **VOICE/BEEP/OFF** switch to **VOICE**.
2. To turn off the voice alarm once it has sounded, press the **VOICE/BEEP/OFF** button to **OFF**.

Beeping Alarm with Snooze

The beeping alarm with snooze wakes you to one minute of beeping that repeats every five minutes until the alarm is turned off.

1. To select the beeping alarm with snooze, slide the **VOICE/BEEP/OFF** switch to **BEEP**.
2. To activate the snooze function after the alarm has sounded, you may either wait for the alarm to turn off after one minute or you may press the **SNOOZE/ALARM STOP/VOICE** button. In both instances the alarm repeats every five minutes until it is turned off.
3. To turn off the snooze alarm, slide the **VOICE/BEEP/OFF** switch to **OFF**.

Temperature-Sensing Backlight

The LCD backlight color is automatically determined by the recorded outdoor/remote temperature.

1. Cold (blue colored backlight): Below 50°F/10°C.
 2. Normal (amber colored backlight): 50.1°F – 75°F/10.1°C – 23.9°C.
 3. Warm (red colored backlight): Above 75°F/24°C.
- To enable the automatic temperature-sensing backlight to remain on at all times, plug the main unit into a wall outlet using the included adapter.
 - To activate the automatic temperature-sensing backlight while the unit is running on battery power, press the **SNOOZE/ALARM STOP/VOICE** button. The backlit LCD turns on for 3 seconds.

General Troubleshooting

Problem: It is raining outside, but the unit's forecast shows the sunny icon.

Solution: The unit measures barometric pressure changes and gives forecasts based on up or down trends over the next six hours, not what is going on at that exact time. If the unit indicates it is sunny, but it is raining outside, this means the weather will improve over the next six hours.

Problem: The weather icon has been incorrect for an extended period of time.

Solution: The unit may have been set during a period of high or low barometric pressure, so the unit's barometric point of reference is incorrect. Wait until a partly cloudy day and re-sync the remote unit with the main unit. (See "Synchronization of Remote Unit & Main Unit" section.) The unit will acclimate to the correct level of barometric pressure.

Problem: The radio does not work.

Solution: Make sure that the 10.5V adapter is properly connected to the unit and the wall outlet.

Problem: The main unit's LCD panel is faint or hard to read.

Solution: Adjust the brightness of LCD backlight until the readout is clear from your viewpoint.

Problem: The outdoor temperature reading is extremely high when the temperature is actually much colder.

Solution: The remote unit is sitting in direct sunlight. Move it to a shaded, protected location.

For additional questions, please call the manufacturer: 1-800-526-0954.

Statement of FCC Compliance

WARNING:

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 assistance.

FCC Label Compliance Statement

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



Warranty

What Is Covered

This warranty covers any defects in materials or workmanship, with the exceptions stated below.

How Long Coverage Lasts

This warranty runs for 90 days from the date of original purchase.

What Is Not Covered

This warranty does not cover damage caused by misuse or use other than as intended and described in the product instruction manual, or loss or damage to batteries or removable parts.

What The Sharper Image Will Do

The Sharper Image will repair any defects in materials or workmanship. In the event repair is not possible, The Sharper Image will either replace this product with one of similar features and price, or refund the full purchase price of the product, whichever you prefer.

How to Obtain Service

Return the product and receipt, along with a brief explanation of the problem, to:

T.S.I. - Returns Department
2901-A West 60th Street
Little Rock, AR 72209

If you have questions please feel free to contact our customer service representatives at 1-800-344-5555 or by email at care@web.sharperimage.com.

This warranty gives you specific legal rights, and you may have other legal rights that vary from state to state.

© 2005 Sharper Image Corporation

Sharper Image Corporation
650 Davis St., San Francisco, CA 94111
(415) 445-6000

Shop online: **www.sharperimage.com**

Due to continuing improvements, actual product may differ slightly from the product described herein.

V1 09/05