

WEATHER STATION WITH WEATHER FORECAST, BAROMETER, IN-OUT THERMO-HYGRO METER, MOON PHASE, HEAT INDEX, SUNRISE SUNSET AND RADIO CONTROLLED CLOCK

GARNI

technology

USER'S MANUAL
(GARNI 6571)

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- A DISPLAY**
Facilitates easy reading of weather forecast, barometer, remote or indoors temperatures and humidity, heat index, clock, sunrise and sunset.
- B SNOOZE/LIGHT BUTTON**
Activates the backlight and snooze function
- C ALARM/CHART BUTTON**
Displays the alarm time and high low temperature alarm
Press and hold to enter alarm/alert setup
Press and hold in Pressure and Weather Forecast mode to display temperature and humidity bar-charts
- D SET BUTTON**
Rotates display for current mode
Press and hold to enter setup or change units
Confirmation for setting parameters
- E MEM BUTTON**
Shows records for moon phase, temperature, humidity
- F HISTORY BUTTON**
Shows history for sea-level pressure
- G CHANNEL BUTTON**
Changes temperature and humidity display to selected channel
Press and hold to enable cycling display of channel temperature and humidity

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- H - BUTTON**
Switches to next mode in anti-clockwise direction
Decreases the value of a setting
Activates thermo-hygro receiving
- I + BUTTON**
Switches to next mode in clockwise direction
Advances the value of a setting
- J BATTERY COMPARTMENTS**
Accommodates 4 UM-3 or "AA" size 1.5V batteries
- K DC JACK**
Accommodates a plug of 7.5V 200mA transformer
- L SWITCH OF DISPLAY LIGHT**

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GARNI GARNI 6571 MANUAL (ENG)
SIZE: W65 X H105 (mm)
BY WING TSUI 09/10/07

INTRODUCTION

Congratulations on your purchase of the TE657.

Soft-touch button design provides you a novel key interface and outlook design.

The basic package comes with 1 weather forecast station and 1 remote thermo-hygro meter sensor.

The main unit is equipped with the built-in barometer which enables to display the weather forecast, barometer and altimeter.

The main unit is capable of keeping track temperature and humidity of different sites. No wire installation is required and operates at 433MHz.

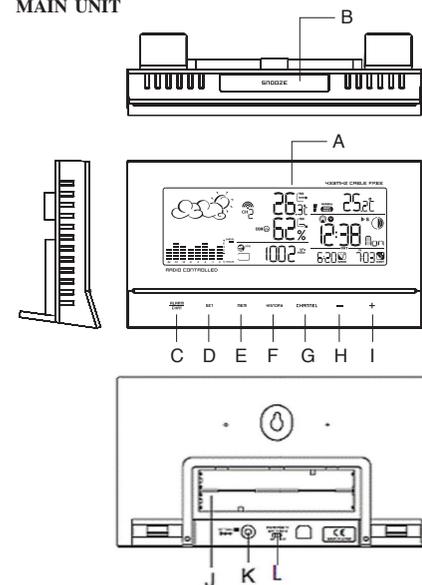
Apart from temperature shows the indoor and outdoor relative humidity and rates the comfort level. It also retains the maximum and minimum relative humidity readings. A remote thermo sensor is included with the unit is able to receive and display readings from up to 3 remote sensors.

While the weather forecast part displays storm, alarm will be activated.

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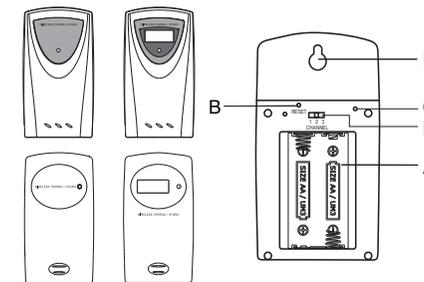
Features

MAIN UNIT



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REMOTE THERMO-HYGRO SENSOR



NOTE: LED INDICATOR ON FRONT SIDE
Flashes once when the remote unit transmits a reading
Flashes twice when low battery is detected on sensor unit
(Model TS22C, TS23C, TS32C, TS33C)

- A BATTERY COMPARTMENT**
Accommodates 2 UM-3 or "AA" size 1.5V batteries
- B RESET BUTTON**
Resetting of all functions after changing the channels
- C UNIT BUTTON**
Toggles the unit of temperature (if applicable)
- D CHANNEL SELECTOR**
Channel is to be selected before batteries are installed
- E WALL MOUNT HOLE**
For mounting the sensor on the wall

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INSTALLING YOUR WEATHER STATION

- For best operation,
1. Insert batteries for remote units before doing so for the main unit.
 2. Position the remote unit and main unit within effective transmission range, which, in usual circumstances, is 60 meters. Note that the effective range is vastly affected by the building materials and where the main and remote units are positioned. Try various set-ups for best result. Though the remote units are weather proof, they should be placed away from direct sunlight, rain or snow.

BATTERY INSTALLATION: REMOTE UNIT

1. Remove the screws on the battery compartment.
2. Select the channel
3. Install 2 batteries (UM-3 or "AA" size 1.5V) strictly according to the polarities shown.
4. Replace the battery compartment door and secure its screws.

POWER INSTALLATION: MAIN UNIT

1. Plug a provided 7.5V 200mA transformer to the DC jack of bottom side.
Or
 2. Open the battery compartment door.
 3. Install 4 batteries (UM-3 or "AA" size 1.5V) strictly according to the polarities shown.
 4. Replace the battery compartment door.
- Note:
1. To provide reliable key operation under almost any condition, the soft-touch buttons will self-calibrated in 1 second on power-up. Please leave your hands or anything away from the soft-touch key when power-up.
 2. The main unit is designed for transformer operated, battery is only for back up purpose.

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LOW BATTERY WARNING

When it is time to replace batteries for the remote sensor, the respective low-battery indicator [] will show up on the indoor or outdoor temperature & hygrometer display.

USING YOUR WEATHER STATION NAVIGATING BETWEEN DIFFERENT MODES

There are 6 sections available on the main console unit, and each one displays a different category of data. When display is in a certain mode, its corresponding icon will start flashing. To navigate between the different modes from the main console unit, press “+” to cycle through the modes in an anti-clockwise direction or “-” to cycle through the modes in a clockwise direction. Heat index section is a fixed mode. It cannot be navigated into this section.

PRESSURE AND WEATHER FORECAST MODE

This part of the display indicates the current pressure, sea level pressure, weather forecast and pressure trend. A number of historical statistics can also be viewed, such as the sea-level pressure values for the last 24 hours, as well as a pressure/ temperature/ humidity history bar-chart.

Pressure values may be displayed inHg, hPa/mBar or mmHg, and altitude values may be displayed in meters or feet.

a) Accessing Pressure and Weather Forecast Mode

From the main console unit: Press “+” or “-” until the weather forecast icon  on the upper left of the display starts flashing.

b) Setting Pressure Parameters during Initial Start-Up

During the initial start-up of the main console unit, all functions in Pressure and Weather Forecast mode will be locked until the pressure settings are configured.

1. Choose Pressure Units:
The icon “hPa/mBar” should be flashing.
Press “+” or “-” to select pressure unit as inHg, hPa/mBar or mmHg
Press **SET** to confirm your selection.
2. Choose Altitude Units:
Press “+” or “-” to select altitude unit as feet or meters.
Press **SET** to confirm your selection.
3. Set Altitude:
Press “+” or “-” to adjust value. Press and hold either button for fast advance.
Press **SET** to confirm your selection.
4. Upon completion the display will be returned to Pressure and Weather Forecast Mode.

Note: After initial start-up the altitude cannot be adjusted again until the main console unit is restarted.

c) Viewing Pressure and Altitude Data

In Pressure and Weather Forecast Mode, each press of **SET** rotates display between:

- Sea level pressure
- Local pressure
- Local altitude

d) Setting the Sea Level Pressure

1. In Pressure and Weather Forecast Mode, press **SET** until the sea level pressure is displayed.
2. Press and hold **SET**. The Sea Level Pressure display should be flashing.

Storm is meaning unstable weather forecast which can be switched on or off manually.
Press **ALARM/CHART** in Pressure and Weather Forecast Mode. Then press **ALARM/CHART** to turn on or off the storm function. It will return to pressure display automatically after 5s.

i) Atmospheric pressure trend

The atmospheric pressure indicator, in the weather forecast window, uses arrows to indicate if the atmospheric pressure is increasing, remaining stable, or decreasing.

Arrow indicator			
Pressure Trend	Rising	Steady	Falling

TEMPERATURE AND HUMIDITY MODE

The weather station supports up to 3 remote thermo-hygro sensors, each sensor corresponding to a separate channel for the temperature and relative humidity display. The temperature may be shown in degrees Celsius °C or degrees Fahrenheit °F. The trend (rising, steady or falling) of all values is also indicated on the display.

The main console unit uses the indoor temperature and humidity data to compute a comfort level rating of Wet, Comfort or Dry.

A temperature alert function is available for each channel. It can be programmed to sound if the channel temperature exceeds or falls below the pre-configured upper and lower limits.

Note: The temperature alerts have a 0.5 °C hysteresis to prevent the alerts from sounding constantly due to small fluctuations near the alert value. This means that after

the temperature reaches the alert value, it will have to fall below the alert value plus the hysteresis to deactivate the alert.

a) Accessing Temperature and Humidity Mode

From the main console unit: Press “+” or “-” until the IN icon  on the upper right of the display starts flashing.

b) Viewing Temperature and Humidity Display for each Channel

For Static Display:

In Temperature and Humidity Mode, each press of **CHANNEL** rotates display between different channels.

For Cycling Display:

To enable automatic rotating between different channel displays, press and hold **CHANNEL**, until the  icon is displayed. Each valid channel will now be alternately displayed for 5s.

c) Setting Units for Temperature Display (°C or °F)

In Temperature and Humidity Mode, press and hold **SET** to convert units between degrees Celsius °C and degrees Fahrenheit °F.

d) Activating/Deactivating the Temperature Alerts

1. In Temperature and Humidity Mode, each press of **ALARM/CHART** rotates channel temperature display between:
 - Current Temperature for corresponding channel
 - Upper Temperature Alert (displays OFF if deactivated):  icon displayed
 - Lower Temperature Alert (displays OFF if deactivated):  icon displayed
- When the above alerts are displayed, pressing “+” or “-” will activate/deactivate the corresponding alert.

3. Set Sea Level Pressure:
Press “+” or “-” to adjust value. Press and hold either button for fast advance.
Press **SET** to confirm your selection.
4. Upon completion the display will be returned to Pressure and Weather Forecast Mode.

e) Setting the Pressure and Altitude Units

1. In Pressure and Weather Forecast Mode, press **SET** until local pressure is displayed.
2. Press and hold **MEM**. The pressure unit should be flashing.
3. Set Local Pressure Units:
Press “+” or “-” to adjust value.
Press **MEM** to confirm your selection.
4. Set Altitude Units:
Press “+” or “-” to adjust value.
Press **MEM** to confirm your selection.
5. Set Sea-Level Pressure Units:
Press “+” or “-” to adjust value.
Press **MEM** to confirm your selection.
6. Upon completion the display will be returned to Pressure and Weather Forecast Mode.

f) Viewing the Sea Level Pressure History

1. Pressing **HISTORY** will toggle the sea level pressure display.
2. When sea level pressure is displayed, press **HISTORY** repeatedly to view sea level pressure data for each of the last 24 hours.
3. If no buttons are pressed for 5s, the display automatically returns to Pressure and Weather Forecast Mode.

g) Viewing the Pressure/ Temperature/ Humidity Bar-Charts

The bar-chart on the display can be configured to display the history data for sea-level pressure, temperature or humidity for channel 1.

In Pressure and Weather Forecast Mode, press and hold **ALARM/CHART**, to toggle the bar-chart between:

- Sea-level pressure (“PRESSURE” should be displayed)
- Temperature (Thermometer icon and “CH1” should be displayed)
- Humidity (RH icon and “CH1” should be displayed)

h) Weather forecast

The unit is capable of detecting atmospheric pressure changes. Based on collected data, it can predict the weather for the forthcoming 12 to 24 hours.

Symbol of Display				
Forecast	Sunny	Slightly Cloudy	Cloudy	Little Rainy
Symbol of Display				
Forecast	Heavy Rainy	Little Snowy	Heavy Snowy	Storm

NOTE:

1. The accuracy of a general pressure-based weather forecast is about 70%.
2. The weather forecast may not reflect the current situation necessarily.
3. The “Sunny” icon implies clear weather at night.

e) Setting up the Temperature Alerts

1. In Temperature and Humidity Mode, press **ALARM/CHART** to select alarm which you wish to configure.
2. Press and hold **ALARM/CHART** until channel temperature and  or  icon starts flashing in the display.
3. Set Value for Temperature Alert:
Press “+” or “-” to adjust value. Press and hold either button for fast advance.
Press **ALARM/CHART** to confirm your selection.
4. Upon completion the display will be returned to the temperature alert selection screen.

f) Disabling when Temperature Alarms are Activated

To Disable Temperature Alarm(s):
Press **ALARM/CHART** to disable the alarm (s).

g) Viewing the Max/Min Channel Temperature and Humidity

In Temperature and Humidity Mode, each press of **MEM** rotates channel temperature and humidity display between:
- Current temperature and humidity at remote sensor
- Minimum temperature and humidity at remote sensor
- Maximum temperature and humidity at remote sensor

h) Resetting the Max/Min Channel Temperature and Humidity Memory

In Temperature and Humidity Mode, press and hold **MEM** to clear memory for all channels.

i) Main Unit and Remote Sensor Status

The kinetic wave display shows the signal receiving status of the main unit. There are three possible forms:

The unit is in searching mode.	
Temperature readings are securely registered.	
No signals.	

j) Activating Main Console Unit to Search for All Remote Sensor Signals

The main console unit may be manually activated to search for signals from all remote sensors. Press and hold “-” to enforce a search.

k) Disconnected Signals

If without obvious reasons the display of the outdoor temperature goes blank, Hold “-” for 2 seconds to enforce an immediate search. If that fails, check:

1. The remote unit is still in place.
2. The batteries of both the remote unit and main unit. Replace as necessary.

Note: When the temperature falls below freezing point, the batteries of outdoor units will freeze, lowering their voltage supply and the effective range.

3. The transmission is within range and path is clear of obstacles and interference. Shorten the distance when necessary.

I) Transmission Collision

Signals from other household devices, such as door bells, home security systems and entry controls, may interfere with those of this product and cause temporarily reception failure. This is normal and does not affect the general performance of the product. The transmission and reception of temperature readings will resume once the interference recedes.

SUNRISE AND SUNSET MODE

The main console unit computes the sunrise and sunset times from the user-configured location data. This includes the longitudes, latitude, time zone and DST (Daylight Saving Time). Choosing a suitable city code for your area will automatically generate the correct values for the location data.

Should you wish to input your own location data or if a suitable city code could not be found, choose "USR" as the city code during setup.

A searching function is also available, which allows the sunrise/sunset times for different dates to be viewed.

a) Accessing Sunrise/Sunset Mode

From the main console unit: Press "+" or "-" until the sunrise and sunset icons   on the lower left of the display start flashing.

b) Setting up the Location Data

- i) In Sunrise/Sunset Mode, press and hold SET to enter location data setup.
- ii) The city code in the Time and Alarm display should start flashing. Set City Info: Press "+" or "-" to select city for your local area. Refer to P. for a list of available codes. The corresponding longitude and latitude will be shown along with the city. Should you wish to input your own geographical coordinates, choose "USR" as the city code. Press SET to confirm your selection.

- iii) If "USR" was chosen, you will be asked to input your geographical coordinates. Set Degree of Latitudes: Press "+" or "-" to adjust value. Press and hold either button for fast advance. Press SET to confirm your selection. Repeat above procedure to set minute of latitude, degree of longitude, minute of longitude, time zone and DST selection.
- iv) Upon completion the display will be returned to Sunrise/Sunset Mode.

Note: Press and hold SET anytime during the setup to return to normal Clock and Alarm mode. All setting will be discarded.

c) Viewing the Location

In Sunrise/Sunset Mode, each press of SET rotates display between:

- Time and sunrise/sunset times
- Calendar and sunrise/sunset times
- Calendar and longitude/latitude

d) Viewing Sunrise/Sunset Times for Different Dates

1. In Sunrise/Sunset Mode, press MEM.
2. The date should be flashing. Press "+" or "-" to adjust date. Press and hold either button for fast advance. The corresponding sunrise and sunset times will be displayed for the selected date.
3. Press MEM or SET to return display to Sunrise/Sunset Mode.

e) Understanding the Sunrise/Sunset Display

The sunrise time being displayed differs during the morning and the afternoon/night.
 From 12 am to 12 pm: The sunrise time for the current day will be displayed.
 From 12 pm to pm: The sunrise time for the next day will be displayed. "NEXT DAY" icon will be displayed above the sunrise time.

c) Rotating between Different Clock/Calendar Displays

In Clock and Alarm Mode, each press of SET rotates clock display between:

- Hour: Minute: Weekday
- Hour: Minute: City
- Hour: Minute: Second
- Month: Day: Year (or Day: Month Year depending on settings)
- Hour: Minute for UTC (Coordinated Universal Time)

d) Activating/Deactivating the Time Alarms

1. In Clock and Alarm Mode, each press of ALARM/CHART rotates clock display between:
 - Weekday Alarm Time (displays OFF if weekday alarm deactivated)
 - Single Alarm Time (displays OFF if single alarm deactivated)
 - Pre-Alarm Time (displays OFF if pre-alarm deactivated)
2. When the above alarms are displayed, pressing "+" or "-" will activate/deactivate the corresponding alarm.

Note: Press SET anytime during alarm selection mode to return to normal clock display.

e) Setting up the Time Alarms

1. In Clock and Alarm Mode, press ALARM/CHART to select alarm which you wish to configure.
2. Press and hold ALARM/CHART until hour starts flashing in the display
3. Set Alarm Hour: Press "+" or "-" to adjust value. Press and hold either button for fast advance. Press ALARM/CHART to confirm your selection.
4. Set Alarm Minutes: Press "+" or "-" to adjust value. Press and hold either button for fast advance. Press ALARM/CHART to confirm your selection.

5. Set Duration of Snooze Function (all three alarms share same snooze time duration): Press "+" or "-" to adjust value. Press and hold either button for fast advance. Press ALARM/CHART to confirm your selection.
6. Upon completion the display will be returned to the alarm selection screen.

Note: Pre-alarm cannot be activated if weekday alarm or single alarm is not enabled.

f) Disabling/Entering Snooze when Time Alarms are Activated

To Enter Snooze: Press SNOOZE to enable snooze function.

Note: Alarm will automatically enter snooze mode if no key is pressed after the alarm sounds for 2 minutes. This will occur for a maximum of three times.

To Disable Alarm(s): Press ALARM/CHART to disable the alarm (s).

Note: For weekday alarm, pressing ALARM/CHART will only disable the alarm for the current day. The alarm will be activated again the next day (if it falls within Monday to Friday).

At certain locations (especially those at high latitudes), sunrise and sunset events may not occur within a 24 hours time frame.

Display	Sunrise status	Display	Sunrise status
FULL	Sunrise at previous day	FULL	Sunrise at previous day
----	No sunrise for the whole day	----	No sunrise for the whole day

CLOCK AND ALARM MODE

The main console unit can be configured to display the time, calendar or UTC time. There are three time alarms available on the console unit:

- Single alarm:** activated once at specified time
- Weekday alarm:** activated everyday from Monday to Friday at specified time
- Pre-alarm:** activated at specified time interval (15- 90 min) ahead of weekday alarm, if channel 1 temperature falling to +2 °C or below. The snooze duration for the above alarms can also be programmed (0-15 min).

a) Accessing Clock and Alarm Mode

From the main console unit: Press UP or DOWN until the clock icon  beside the time/date display starts flashing.

b) Setting up the Time, Date and Language

1. In Clock and Alarm Mode, press and hold SET to enter clock and calendar setup.
2. The day of week should start flashing in the display. Set Language: Press "+" or "-" to select language for day of week: English, German, French, Italian, Spanish or Dutch. Press SET to confirm your selection.
3. Select City Code: Press "+" or "-" to select city code for your local area. Refer to P.63 for a list of available codes. Press SET to confirm your selection.
4. (if USR was chosen for city code) Set Minute for Latitude: You will be asked to enter your latitude in minutes (°). Press "+" or "-" to adjust value. Press and hold either button for fast advance. Press SET to confirm your selection. Repeat above procedure to set seconds for latitude ('), minutes for longitude and seconds for longitude.
5. (if USR was chosen for city code) Set Time Zone: Press "+" or "-" to adjust value in resolution of 30 min. Press and hold either button for fast advance. Press SET to confirm your selection.
6. (if USR was chosen for city code or city is in a DST zone) Set Daylight Saving Time Option: Press "+" or "-" to turn DST option on or off. Press and hold either button for fast advance. Press SET to confirm your selection.
7. Repeat the above instructions to set year, month, day, calendar display format (day/month or month/day), time display format (12 hr/ 24 hr), local hour and local minutes.
8. Upon completion the display will return to normal Clock and Alarm Mode.

Note: Press and hold SET anytime during the setup to return to normal Clock and Alarm Mode. All settings made will be discarded.

g) Understanding the Moon Phase Diagram

			
New Moon	Waxing Crescent	First Quarter	Waxing Gibbous
			
Full Moon	Waning Gibbous	Last Quarter	Waning Crescent

HEAT INDEX

Category	Heat Index (°F)	Level
normal	< 80	■
caution	80 – 89.9	▮
extreme caution	90 – 104.9	▮▮
danger	105 – 129.9	▮▮▮
extreme danger	> 129.9	▮▮▮▮

DISCONNECTED SIGNALS

If without obvious reasons the display of the outdoor temperature goes blank, Hold "-" for 2 seconds to enforce an immediate search. If that fails, check:

1. The remote unit is still in place.
2. The batteries of both the remote unit and main unit. Replace as necessary.

Note: When the temperature falls below freezing point, the batteries of outdoor units will freeze, lowering their voltage supply and the effective range.

3. The transmission is within range and path is clear of obstacles and interference. Shorten the distance when necessary.

TRANSMISSION COLLISION

Signals from other household devices, such as door bells, home security systems and entry controls, may interfere with those of this product and cause temporarily reception failure. This is normal and does not affect the general performance of the product. The transmission and reception of temperature readings will resume once the interference recedes.

HOW TO SET THE RADIO CONTROLLED CLOCK

1. After the batteries are installed. The clock will search the radio signal automatically. It takes about 3-10 minutes to finish this process.
2. If user wishes to disable the auto-reception feature, holds "+" for 2 seconds to disable it.
3. To enable the auto-reception feature again, holds "+" for 2 seconds again to force it receive and allow it receive at desired time.
4. If the radio signal is received, the date & time will be set automatically with radio control signal icon  turns on.
5. If the clock fails to receive the time signal, it will be show as  icon. Then user can set the time manually.

CALENDAR CLOCK DISPLAY MODES

The calendar is displayed in a day-month format. Each press on the "SET" button will change the display between clock with second, clock with day of week, zone time with day of week and zone time with second.

HOW TO SET THE CLOCK MANUALLY

To set the clock manually, hold "SET" for 2 seconds will show the language. Press "+" or "-" to change it. Press "SET" to confirm. Repeat the same procedure to set °C/°F, year, month, date, date-month format, 12/24 hour format, hour and minute. During the setting, press and hold "+" or "-" will increase or decrease the value rapidly.

For display language, you can choose among English (ENG), German (GER), French (FRE), Italian (ITA), Spanish (SPA) and Dutch (DUT) in that order. If there is an item you do not wish to change, simply press "SET" to bypass the item. When you finished the change, press "SET" to exit. The display will return to the clock mode.

HOW TO SET AND ARM THE ALARM

- To set an alarm,
1. Press "ALARM/CHART" once to display alarm time. If the alarm is disarmed, the time will be displayed as [OFF].
 2. Hold "ALARM/CHART" for two seconds. The hour digits will blink.
 3. Enter the hour using "+" or "-".
 4. Press "ALARM/CHART".
 5. The minute digits will blink.
 6. Enter the minutes using "+" or "-".
 7. Press "ALARM/CHART". The minute digits for programmable snooze will blink.
 8. Enter the minutes using "+" or "-".
 9. Press "ALARM/CHART" to exit.
 9. Repeat the same procedure to set single alarm.

The alarm [**h**W], [**h**S], [**Pre-AL**], [**h**] (Higher temperature limit) and [**l**] (Lower temperature limit) icons will be displayed indicating which alarm is armed. You can also arm or disarm an alarm by pressing the "+", "-", button at alarm display mode. Press "SET" to return to clock display mode. Note: Weather alarm will on if higher or lower temperature limit are set to on.

HOW TO SET THE ZONE TIME

- To set the zone time,
1. Press "SET" until at zone time display mode,
 2. Hold "SET" for two seconds, the zone time offset will be displayed.
 3. Enter the offset using "+" or "-".
 4. Press "SET" to exit.

SNOOZE FEATURE

When the alarm sound is on, press the "SNOOZE" key to enter snooze mode. After 8 minutes (Default 8 minutes, 1 to 15 minutes can be set), alarm sound will be wake up automatically. The snooze cycle will be restarted if you press the "SNOOZE" key again. If you leave the alarm sound on for 2 minutes, it will enter snooze mode automatically with maximum 3 times.

HOW TO STOP AN ALARM

Press "ALARM/CHART" on the unit to stop an alarm.

ALARM FEATURE

- * Weekday Alarm
The alarm sound will be activated and the icon will be flashed on weekday when it is armed and the alarm time is reach.
- * Single Alarm
The alarm sound will be activated and the icon will be flashed when it is armed and the alarm time is reach. Once it finished, it will be disabled automatically.

Calendar Clock

12/24 h display with hh : mm
Date Format : Day - Month or Month-Day.
Day of week selectable in 6 languages
(ENG, GER, FRE, ITA, SPA and DUT)
Dual 2-minute crescendo alarm with snooze
Pre-alarm for ice alert
Temperature alarm
Weather alarm for storm

Power

Main unit : 7.5V 200mA DC transformer
4 pcs UM-3 or "AA" size 1.5V battery
Remote thermo-hygro unit : 2 pcs UM-3 or "AA" size 1.5V battery

Weight

Main unit : 459g (Without battery)
Remote thermo-hygro unit : 62g (Without battery)

Dimension

Main unit : 218 (L) x 122(H) x 30(D) mm
Remote thermo-hygro unit : 55.5(L) x 101(H) x 24(D) mm

CAUTION

- The content of this manual is subject to change without further notice.
- Due to printing limitation, the displays shown in this manual may differ from the actual display.
- The contents of this manual may not be reproduced without the permission of the manufacturer.

Appendix - City Codes

US and Canadian Cities

city	code	zone offset	DST
Atlanta, Ga.	ATL	-5	SU
Austin, Tex.	AUS	-6	SU
Baltimore, Md.	BWI	-5	SU
Birmingham, Ala.	BHM	-6	SU
Boston, Mass.	BOS	-5	SU
Calgary, Alba., Can.	YYC	-7	SU
Chicago, IL	CGX	-6	SU
Cincinnati, Ohio	CVG	-5	SU
Cleveland, Ohio	CLE	-5	SU
Columbus, Ohio	CMH	-5	SU
Dallas, Tex. DAL		-6	SU
Denver, Colo.	DEN	-7	SU
Detroit, Mich.	DTW	-5	SU
El Paso, Tex.	ELP	-7	SU
Houston, Tex.	HOU	-6	SU
Indianapolis, Ind.	IND	-5	NO
Jacksonville, Fla.	JAX	-5	SU
Las Vegas, Nev.	LAS	-8	SU
Los Angeles, Calif.	LAX	-8	SU
Memphis, Tenn.	MEM	-6	SU
Miami, Fla. MIA		-5	SU
Milwaukee, Wis.	MKE	-6	SU
Minneapolis, Minn.	MSP	-6	SU
Montreal, Que., Can.	YMX	-5	SU
Nashville, Tenn.	BNA	-6	SU
New Orleans, La.	MSY	-6	SU
New York, N.Y.	NYC	-5	SU
Oklahoma City, Okla.	OKC	-6	SU
Omaha, Neb.	OMA	-6	SU
Ottawa, Ont., Can.	YOW	-5	SU
Philadelphia, Pa.	PHL	-5	SU
Phoenix, Ariz.	PHX	-7	NO
Pittsburgh, Pa.	PTT	-5	SU

* Pre-Alarm

The pre-alarm sound will be activated and the icon will be flashed if the temperature of channel 1 is under or equal two degree C.
It is programmable 15, 30, 45, 60 or 90 minutes earlier than the weekday alarm or single alarm time.

* Temperature Alarm

The temperature alarm sound will be activated when the temperature is out of the pre-set range.

* Weather Alarm

The weather alarm sound will be activated when it is change to heavy rainy, heavy snowy and storm.

PRECAUTIONS

This product is engineered to give you years of satisfactory service if you handle it carefully. Here are a few precautions:

1. Do not immerse the unit in water.
2. Do not clean the unit with abrasive or corrosive materials. They may scratch the plastic parts and corrode the electronic circuit.
3. Do not subject the unit to excessive force, shock, dust, temperature or humidity, which may result in malfunction, shorter electronic life span, damaged battery and distorted parts.
4. Do not tamper with the unit's internal components. Doing so will invalidate the warranty on the unit and may cause unnecessary damage. The unit contains no user-serviceable parts.
5. Only use fresh batteries as specified in the user's manual. Do not mix new and old batteries as the old ones may leak.
6. Always read the user's manual thoroughly before operating the unit.

SPECIFICATIONS

Temperature Measurement

Main unit

Proposed operating range : -5.0°C to +50.0°C
23.0°F to 122.0°F
Resolution : 0.1°C
0.2°F

Remote thermo-hygro unit

Proposed operating range : -20.0°C to +50.0°C
-4.0°F to 122.0°F
Resolution : 0.1°C
0.2°F

Relative Humidity Measurement

Main unit

Measuring range : 25% to 95%
Resolution : 1%
Remote thermo-hygro unit
Measuring range : 25% to 95%
Resolution : 1%

RF Transmission

Remote thermo-hygro unit

Frequency : 433MHz
Maximum number of remote unit : 3
Range : Maximum 60 meters (open area)
Cycle : 43 ~ 47 seconds

Barometric Pressure Measurement

Measuring range : 750 to 1100 hPa/mBar at 25°C (22.15 to 32.49 inHg)
Sampling cycle : 20 minutes

city	code	zone offset	DST
Portland, Ore.	PDX	-8	SU
San Antonio, Tex.	SAT	-6	SU
San Diego, Calif.	SAN	-8	SU
San Francisco, Calif.	SFO	-8	SU
San Jose, Calif.	SJC	-8	SU
San Juan, P.R.	SJU		SU
Seattle, Wash.	SEA	-8	SU
St. Louis, Mo.	STL	-6	SU
Tampa, Fla.	TPA	-5	SU
Toronto, Ont., Can.	YTZ	-5	SU
Vancouver, B.C., Can.	YVR	-8	SU
Washington, D.C.	DCA	-5	SU
Vancouver, Canada	VAC	-8	SU

World Cities

city	code	zone offset	DST
Addis Ababa, Ethiopia	ADD	3	NO
Adelaide, Australia	ADL	9.5	SA
Algiers, Algeria	ALG	1	NO
Amsterdam, Netherlands	AMS	1	SE
Ankara, Turkey	AKR	2	SE
Asunción, Paraguay	ASU	-3	sp
Athens, Greece	ATH	2	SE
Bangkok, Thailand	BKK	7	NO
Barcelona, Spain	BCN	1	SE
Beijing, China	BEJ	8	NO
Belgrade, Yugoslavia	BEG	1	SE
Berlin, Germany	BER	1	SE
Birmingham, England	BHX	0	SE
Bogotá, Colombia	BOG	-5	NO
Bordeaux, France	BOD	1	SE
Bremen, Germany	BRE	1	SE
Brisbane, Australia	BNE	10	NO

city	code	zone offset	DST
Brussels, Belgium	BRU	1	SE
Bucharest, Romania	BBU	2	SE
Budapest, Hungary	BUD	1	SE
Buenos Aires, Argentina	BUA	-3	NO
Cairo, Egypt	CAI	2	sg
Calcutta, India (as Kolkata)	CCU	5.5	NO
Cape Town, South Africa	CPT	2	NO
Caracas, Venezuela	CCS	-4	NO
Chihuahua, Mexico	CUU	-6	SU
Copenhagen, Denmark	CPH	1	SE
Córdoba, Argentina	COR	-3	NO
Dakar, Senegal	DKR	0	NO
Dublin, Ireland	DUB	0	SE
Durban, South Africa	DUR	2	NO
Frankfurt, Germany	FRA	1	SE
Glasgow, Scotland	GLA	0	SE
Guatemala City, Guatemala	GUA	-6	NO
Hamburg, Germany	HAM	1	SE
Havana, Cuba	HAV	-5	SH
Helsinki, Finland	HEL	2	SE
Hong Kong, China	HKG	8	NO
Irkutsk, Russia	IKT	8	SK
Jakarta, Indonesia	JKT	7	NO
Johannesburg, South Africa	JNB	2	NO
Kingston, Jamaica	KIN	-5	NO
Kinshasa, Congo	FIH	1	NO
Kuala Lumpur, Malaysia	KUL	8	NO
La Paz, Bolivia	LPB	-4	NO
Leeds, England			
Lima, Peru	LIM	-5	NO
Lisbon, Portugal	LIS	0	SE

city	code	zone offset	DST
Liverpool, England	LPL	0	SE
London, England	LON	0	SE
Lyon, France	LYO	1	SE
Madrid, Spain	MAD	1	SE
Manila, Philippines	MNL	8	NO
Marseille, France	MRS	1	SE
Melbourne, Australia	MEL	10	SA
Mexico City, Mexico	MEX	-6	SU
Milan, Italy	MIL	1	SE
Montevideo, Uruguay	MVD	-3	SM
Moscow, Russia	MOW	3	SK
Munich, Germany	MUC	1	SE
Nairobi, Kenya	NBO	3	NO
Nanjing (Nanking), China	NKG	8	NO
Naples, Italy	NAP	1	SE
New Delhi, India	DEL	5.5	NO
Odessa, Ukraine	ODS	2	SE
Osaka, Japan	KIX	9	NO
Oslo, Norway	OSL	1	SE
Panama City, Panama	PTY	-5	NO
Paris, France	PAR	1	SE
Perth, Australia	PER	8	NO
Prague, Czech Republic	PRG	1	SE
Rangoon, Myanmar	RGN	6.5	NO
Reykjavik, Iceland	RKV	0	NO
Rio de Janeiro, Brazil	RIO	-3	sb
Rome, Italy	ROM	1	SE
Salvador, Brazil	SSA	-3	NO
Santiago, Chile	SCL	-4	sc
São Paulo, Brazil	SPL	-3	sb
Shanghai, China	SHA	8	NO
Singapore, Singapore	SIN	8	NO
Sofia, Bulgaria	SOF	2	SE

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city	code	zone offset	DST
Stockholm Arlanda, Sweden	ARN	1	SE
Sydney, Australia	SYD	10	SA
Tokyo, Japan	TKO	9	NO
Tripoli, Libya	TRP	2	NO
Vienna, Austria	VIE	1	SE
Warsaw, Poland	WAW	1	SE
Zürich, Switzerland	ZRH	1	SE

DST definition

SA = Australian DST.
 SB = South Brazilian DST. Changes annually.
 SC = Chile DST
 SE = Standard European DST.
 SG = Egypt DST
 SH = Havana, Cuba DST
 SI = Iraq and Syria DST
 SK = Irkutsk & Moscow DST
 SM = Montevideo, Uruguay DST
 SN = Namibia DST
 SP = Paraguay DST
 SQ = Iran DST maybe changed annually.
 ST = Tasmania DST
 SU = Standard American DST.
 SZ = New Zealand DST
 NO DST = no = Places that do not observe DST
 ON = Always add 1 hour with local standard time

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EC-DECLARATION OF CONFORMITY**Product : GARNI 6571**

This product contains the approved transmitter and complies with the essential requirements of Article 3 of the R&TTE 1995/EC Directive, if used for its intended use and that the following standard(s) has/have been applied:

Efficient use of radio frequency spectrum (Article 3.2 of the R&TTE Directive)

applied standard(s) EN 300 220:2000

Electromagnetic compatibility

(Article 3.1.b of the R&TTE Directive)

applied standard(s) EN 301 489-1,3:2000

Additional information:

The product is therefore conform with the Low Voltage Directive 73/23/EC, The EMC Directive 89/336/EC and R&TTE Directive 1999/5/EC (appendix II) and carries the respective CE marking.

RTTE compliant countries:

ALL EU countries

QA MANAGER : H.Y.WANG

K.S plastic factory

Guan Lan / Shen Zhen / China



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