User Manual

Weather station

MLG-8709WS

I. Main Functions

1. Weather forecasts: Sunny, Partially Cloudy, Cloudy, Rainy
2. Languages for week display: English, Germany, French, Italian, Spanish, Dutch, Danish, Russian
3. Indoor temperature range: 32°F-122°F
4. Indoor humidity range: 20%-----99%
5. Outdoor temperature/humidity
6. Indoor/Outdoor trend indication of temperature/humidity
7. Trend Bar indicator of temperature/humidity
8. Indication of comfort index
9. Snooze function
10. Backlight
11. Moon phase

II. Power-on and Reset

1. When the device is powered-on or reset the LCD full display will appear for 3 seconds.
2. The display will then enter the main screen after a "Beep".
3. The device will then check the temperature and humidity.
4. It will then enter into the RF registering/receiving mode for 3 minutes.

III. The initial display for Power-on or Reset

1. Year: 2007-1-1
2. Alarm: 0:00
3. Time: 0:00, 24h
4. Temperature: °C
5. Alarm & Alert: Off
6. Language: English

Model Name: MLG-8709WS
Serial Model: MLG-8710WS, MLG-8711WS, MLG-8712WS, MLG-8713WS

Model Difference
All models are the same circuit and RF module, except model name and colours.

IV. Key Operations

Function / Operation		TIME	ALM	UP	DOWN	LIGHT/ SNOOZE	CH
Standard Mode	Short Press	------	Alarm Time	ON/OFF AL1/AL2	Switch between C/F	Back light/ Enter Snooze	Switch between CH 1, 2, 3
	Long Press	enter into clock setting mode	Alarm setting mode	Switch week/year display	Enter into RCC receiving	Enter into SNOOZE time setting	clear current registered channel
Time Set	Short Press	Confirm the setting	------	one step forward	One step backward	------	-----
	Long Press	-----	------	8steps/ seconds forward	8steps/ seconds backward	------	-----
Alarm Set	Short Press	-----	Confirm the setting	One step forward	One step backward	------	-----
	Long Press	-----	-----	8steps/ seconds forward	8steps/ Seconds backward	-----	-----

V. Operating Instructions

1. Standard Mode
    i. Long Press "TIME" to enter into the time setting mode
    ii. Short Press "ALM" to switch between AL1à AL2à Main Screen
    iii. Long Press "ALM" for 2 seconds to enter into Alarm setting mode
    iv. Short Press "UP" to turn on/off the ALARM function, the sequence is AL1à ONà AL2 ONà AL1&AL2 ONà AL1&AL2 OFF.
    v. Short Press "DOWN" to switch between °C/°F
    vi. Short Press "LIGHT/SNOOZE" to turn on the backlight for 5 seconds
    vii. Short Press "CH" to switch RF channels, CH1 à CH2à CH3à CH1
    viii. Long Press "CH" for 2 seconds to clear all data out of the current "Channel"
    ix. When the alarm rings, short press "LIGHT/SNOOZE" to enter into the snooze mode for 5 minutes

2. Time Set
   i. Hold the "TIME" key for 2 seconds to enter into the time setting mode
   ii. There will be 1 Hz flashing during setting
   iii. The sequence of time setting: Year (2000-2050) à Month à Dateà Languageà 12/24Hà Hour à Minuteà Zone (-12~+12) à Exit
   iv. Press "TIME" to confirm the setting.
   v. Press "UP" one time and the setting will go ahead by one step; Press "UP" for 2 seconds and it will go forward by 8 steps/seconds.
   vi. Press "DOWN" one time and the setting will go backward by one step; Press "DOWN" for 2 seconds and the setting will go backward by 8 steps/seconds.
   vii. When the settings change, the moon phase will change according to the day, month, and year selected.
   viii. The device will exit the time setting automatically if no key is pressed for 8 seconds. When this happens the device will revert to the previous settings.

3. Alarm Set
   i. Short Press "ALM" to check alarm times: AL1à AL2à Main Screen.
   ii. Hold "ALM" for 2 seconds to enter into the alarm setting mdoe
   iii. There will be 1 Hz flashing during setting
   iv. The sequence for setting the alarm: Hour à Minute à Exit
   v. Press "UP" one time and the setting will go ahead by one step; Press "UP" for 2 seconds and it will go forward by 8 steps/seconds.
   vi. Press "DOWN" one time and the setting will go backward by one step; Press "DOWN" for 2 seconds and the setting will go backward by 8 steps/seconds.
   vii. Press "ALM" to confirm the setting, and enter the next setting state
   viii. When the set alarm time is reached, the alarm will sound as follows:
      a. 1 ~ 10 seconds: 1 beep per second
      b. 11 ~ 20 seconds: 2 beeps per second
      c. 21 ~ 30 seconds: 3 beeps per second
      d. 30~120 seconds: continuous beeps.
   ix. The device will exit the alarm settings automatically if no key is pressed for 8 seconds.
   x. When the alarm is ringing, press the "LIGHT/SNOOZE" key to enter into snooze mode. The alarm will ring again 5 minutes later; press any other key to exit.
   xi. Snooze settings: 5-30minutes. Default: 5 minutes.
   xii. Hold "LIGHT/SNOOZE" for 2 seconds to enter into snooze settings
   xiii. Adjust the snooze settings by pressing "UP" or "DOWN". Press LIGHT/SNOOZE to confirm the setting and exit.

VI. Function
1. RF Receiving Mode
   i. After the battery is installed and the unit checks the temperature/humidity, it will automatically begin the RF receiving mode for three minute
   ii. When the unit is on the main display screen, hold the "CH" key for 3 seconds to clear out the channel information
   iii. If no effective signal with the same ID code for the current channel, is received within one hour, the temperature of the CH will show "---". The temperature display will resume when the correct signal is received again.

2. Temperature and Humidity

i. The indoor temperature display range: 32°F -- +122°F
ii. The outdoor temperature display range: -4°F – 140°F
iii. The indoor and outdoor humidity range: 20% --- 99%

3. Comfort Index and Temperature Trend
   i. When the difference between the current temperature and the recorded temperature is more than +33.8°F, the trend shows a rise.
   ii. When the difference between the current temperature and the recorded temperature is less than -33.8°F, the trend shows a drop.
   iii. Indication of comfort index:
      a. Dry: When temperature is at any value and the humidity is under 40%
      b. Comfort: When temperature is between 68°F-78.6°F and the humidity is at 40-70%
      c. Wet: When temperature is at any value and the humidity is over 70%
      d. No indication: When temperature is out of the range of 68°F-78.6°F and the humidity is at 40-70%

FCC warnings

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

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.