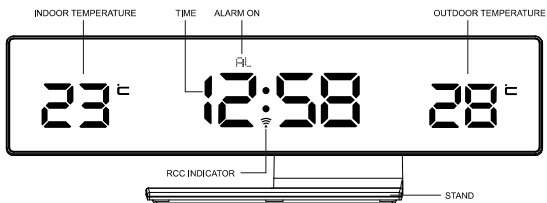


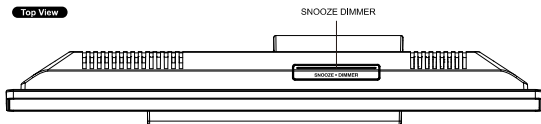
# INSTRUCTION MANUAL OF WS6815

RADIO CONTROLLED LED ALARM CLOCK WITH INDOOR AND OUTDOOR TEMPERATURE

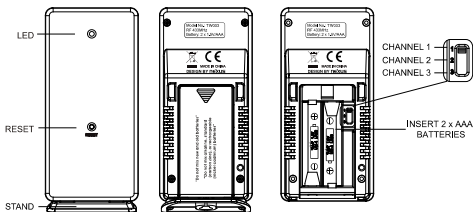
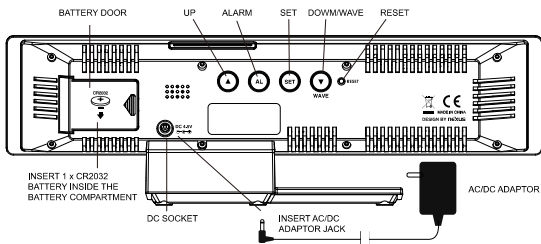
## Front View



## Top View



## Back View



**Words in the figure:**

<b>ENGLISH</b>	<b>OTHER LANGUAGE</b>
<b><u>Front view</u></b>	
INDOOR TEMPERATURE	
TIME	
ALARM ON	
OUTDOOR TEMPERATURE	
STAND	
RCC INDICATOR	
<b><u>Top view</u></b>	
SNOOZE DIMMER	
<b><u>Back view</u></b>	
BATTERY DOOR	
UP	
ALARM	
SET	
DOWN/WAVE	
RESET	
AC/DC ADAPTOR	
INSERT AC/DC ADAPTOR JACK	
DC SOCKET	
INSERT 1 x CR2032 BATTERY INSIDE THE BATTERY COMPARTMENT	
LED	
RESET	
STAND	
CHANNEL 1	
CHANNEL 2	
CHANNEL 3	
INSERT 2XAAA BATTERIES	
OUTDOOR TEMPERATURE SENSOR-	

## ENVIRONMENTAL RECEPTION EFFECTS

Your radio controlled clock obtains the accurate time with wireless technology. Same as all wireless devices, the receiving ability maybe affected by, but not limited to the following circumstances:

- Long transmitting distance
- Nearby mountains and valleys
- Among tall buildings
- Near railway, high voltage cable etc.
- Near freeway, airport, etc
- Near construction site
- Inside concrete buildings
- Near electrical appliances
- Near computers and TV's
- Inside moving vehicles
- Near metallic structures

Place your clock at a location with optimal signal, i.e. close to a window and away from metal surfaces or electrical appliances.

### QUICK SETUP


**Step 1** Keep your weather station and wireless sensor next to each other. Slide open the battery cover at the back of your wireless outdoor sensor, make sure the channel selector is set at position 1 (top position), then insert 2 x AAA batteries (not included) into the outdoor sensor by observing the correct "+/-" polarity signs inside the battery compartment. Replace the battery door.

**Step 2** Insert the AC/DC adaptor to any 230V AC household outlet. Then insert the DC jack to the back case of your weather station.


**Step 3** Slide open the battery cover at the back of your clock, then insert 1 x CR2032 Lithium battery (not included) to the battery compartment. Make sure "+" - polarity of the battery is facing up. Then replace the battery cover.

Your weather station will receive data signal from the outdoor sensor in few seconds. Then place your outdoor sensor in a dry and shaded area outdoor.

### DCF SIGNAL RECEPTION AND SIGNAL INDICATOR

After your clock is powered up, it starts to receive DCF signal. The  icon flashes.

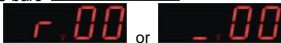
- |                      |  |
|----------------------|--|
| Receiving DCF signal | (  icon flashing)       |
| Successful reception | (  icon becomes static) |
| Failed reception     | (  icon disappear)      |


During reception, press  / **WAVE** once will display reception mode and signal strength indication:

When strong DCF signal is detected, display shows with 3 bars





When weak or no DCF signal is detected, display shows



During reception, the signal strength may move from 1 bar to 2 bars to 3 bars. This is normal since the clock is detecting DCF signal and other signals in the air at the same time. Press **SET** will return to the time display with  icon flashing.

### Successful reception or failed reception

 icon becomes static on (stop blinking) when reception is successful

 icon disappears when reception is failed



### Automatic reception and manual reception



Your clock starts automatic reception everyday at 1:00, 2:00, and 3:00. If it fails to receive the DCF time signal at 3:00, it will start reception at 4:00. If it fails again, it will start reception at 5:00. If it fails again, it will start automatic reception at 1:00 again in the next day.

For manual reception simply press and hold  / **WAVE**, your clock will give a short beep and starts manual reception. Press and hold  / **WAVE** to stop DCF reception.

During RCC reception, all buttons do not function and it does not take temperature and humidity measurement. The temperature and relative humidity readings will get stable and become more accurate after your weather station clock is powered up for around 30 minutes.







### To cancel DCF reception permanently

Press and hold  / **WAVE** and  at the same time for 2 seconds, your clock will give 2 short beeps and the radio controlled function is permanently disabled.

To resume the radio controlled function, press and hold  / **WAVE** and  at the same time for 2 seconds, your clock will give 2 short beeps and will start DCF immediately.





**Note:** Keep in mind that your outdoor transmitter has a 30-meter open air transmission with no obstructions. Actual transmission range will vary depending on what is in the path of the signal. Each obstruction (roof, walls, floors, ceilings, thick trees, etc.) will effectively cut signal range in half.

## TO SET TIME

1. Press and hold **SET** for 2 seconds, hour digits flash. Press  /  to set hours.
2. Then press **SET** once again, the minute digits flash. Press  /  button to set minutes.
3. Then press **SET** once again, display shows :05 and flash. Press  /  button to set snooze duration from 5 minutes to 60 minutes.
4. Press **SET** to return to normal mode or it will return to normal mode in around 8 seconds if no further press of any other buttons.
5. Your clock is in 24-hour display format.

## TO SET ALARM

(default alarm setting is 6:00 AM)

1. Press and hold **ALM**, the hour digits flash with "AL" icon flashing. Press  /  to set your desired alarm hours.
2. Press **ALM** once again, the minute digits flash. Press  /  to set your desired alarm minutes.
3. Press **ALM** once to store your alarm setting and return to normal time display, or the clock will return to normal mode in around 8 seconds if no further press of any other buttons.

### To turn ON or OFF the alarm

Single press **ALM** one at a time to turn on or off the alarm. When the alarm function is turned on, the **AL** icon appears on top of the time digits.

### To use the snooze function

When time reaches your set alarm time, your clock will give a beep sound to wake you up. The **AL** icon will flash.

1. Press **SNOOZE** once to stop the alarm temporarily, **AL** icon keeps flashing. The alarm will beep again in 5 minutes or after your set snooze duration.
2. To stop the daily alarm, press any button except the snooze when alarm is beeping. The alarm will stop and **AL** icon becomes static; alarm will beep again same time next day.

Alarm Duration: 2 minutes

### If you lose the outdoor temperature

When the outdoor temperature digits show "--", the wireless transmission is either interrupted or lost. Press & hold **▲** button of the weather station, then press the **RESET** button located on the back of the outdoor transmitter. If you continue to lose the outdoor temperature display, try placing the transmitter in a different location until you have smooth transmission of temperature data.

### DIMMER FUNCTION

Press **SNOOZE / DIMMER** once to adjust the high/ low brightness of the display.

### TROUBLE SHOOTING

In case your clock shows irrelevant information or digits, it maybe affected by electrostatic discharge or interferences from other devices. Press the **RESET** button on the back of your clock. Your clock will be reset to default setting of time and calendar and it will start to receive radio controlled time signal again.

### CARE OF YOUR RADIO CONTROLLED CLOCK

1. Do not expose the unit to extreme temperature, water or direct sunlight.
2. Avoid contact with any corrosive materials.
3. Do not subject the unit to excessive force, dust or humidity.
4. Do not open the inner back case or tamper with any components of this unit.

## **SPECIFICATIONS**

Operation temperature: 0°C to + 45°C

Temperature measuring range:

Indoor: +14°F to +122°F (-10°C to +50°C) (display shows HH.H / LL.L if out of this range)

Outdoor: -58°F to +158°F (-50°C to +70°C) (display shows HH.H / LL.L if out of this range)

Temperature resolution: 1°C

Humidity resolution: 1%

Alarm duration: 2 minutes

Snooze duration: 5 minutes