EOX-9938

LCD FULL SEGMENTS

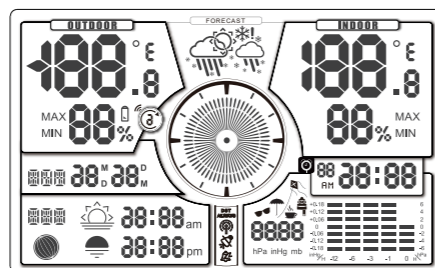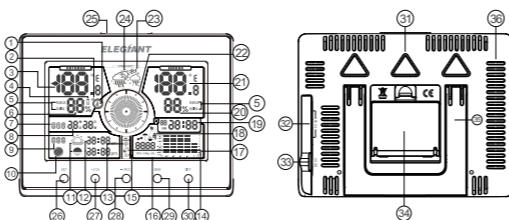# ELEGIANT

VIBRANT TOUCH BUTTON WEATHER STATION
User Manual
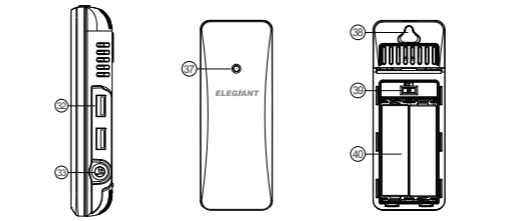

Overview

① Selected channel
② Sensor signal icon
③ Outdoor temperature
④ Outdoor unit low battery indicator
⑤ Max/Min data
⑥ Outdoor humidity
⑦ Weekday
⑧ Calendar tracks month and date
⑨ World city abbreviation
⑩ Moon phase
⑪ Sun rise & set
⑫ World city sunrise & sunset time
⑬ RCC icon (WWVB) / DST

⑭ Alarm symbol
⑮ Snooze icon
⑯ Barometer
⑰ Barometric history bar
⑱ Weather trend indicator
⑲ Selectable current time and alarm time
⑳ Indoor humidity
㉑ Indoor temperature
㉒ Analogue time
㉓ Freezing point indicator
㉔ Weather forecast
㉕ [☼|☾]Snooze/backlight button

㉖ [SET]
Press to switch between time and alarm mode;
Hold in to enter current time or alarm time setting.

㉗ [+/CH]
Toggle upwards;
Select which sensor to display-channel 1, 2 or 3;
Press and hold to clear paired sensor history and scan for pairing.

㉘ [-/RCC]
Toggle downwards;
Press to select temperature units in °C or °F;
Press and hold to activate and deactivate RCC (Atomic Clock).

㉙ [MEM] Max/Min temperature button.

㉚ [CITY]
Press to scroll the selection of world city;
Press or hold in to scroll the selection of WORLD CITY.

㉛ Wall bracket

㉜ Dual USB Charging Ports
㉝ DC-IN power input socket
㉞ Battery compartment
㉟ Table stand
㊱ Ventilation holes
㊲ LED indicator (flashes when data is being sent to the main unit)
㊳ Wall bracket & hanging hole
㊴ Channel selector
㊵ Battery compartment

Installation

Tip: Prepare fresh, high quality alkaline batteries. Never mix old and new batteries. Change all batteries at the same time. Never combine rechargeable batteries with non-rechargeable batteries.

Weather Station (Main Unit)

- Remove the protective film on the front panel by the pull tap.
- The weather station can operate via the included mains adapter & off batteries. Connect the power adapter to the DC IN socket (33) and to a wall AC socket. (Remarks: To well save the data when adapter power is cut off, insert 3 x AAA batteries into the battery compartment according to the polarity shown.)

Remote Sensor

- Slide the battery cover of the sensor in the direction of the arrow.
- Insert 2 x AA batteries.
- Slide back the battery cover on until it clicks into place.

Synchronisation

1. Place the station and sensor close to each other.
2. Make sure the sensor's channel selector (39) is set to channel 1.
3. Power on the main unit first, the sensor signal icon(2) flashes as well; then insert batteries into the remote sensor within 30 seconds, and the LED indicator flashing indicates the remote sensor is sending signal to the main unit.
4. The weather station will automatically display readings from channel 1 (if the reading does not show, remove the batteries on sensor, hold pressing station's [+/CH] key until the signal icon(2) flashes again, then insert the batteries to the sensor again).
5. If the outdoor temperature and humidity readings display on the station's LCD, synchronization is complete.

Remarks: Adding Additional Sensors Using Channel 2 and 3

The weather station can be supplemented by the addition of two extra sensors (sold separately on our online shop). Synchronisation is same as above.

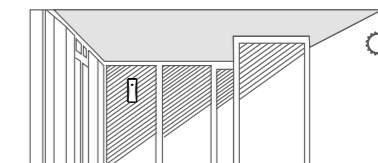ELEGIANT
Online Store

Placement/Mounting

Weather Station (Main Unit)

- The weather station has built-in temperature, humidity and barometric pressure sensors. Be careful when placing the unit so that it is not located near heaters, cookers, or other heat sources.
- The weather station can be used with its table stand (35) or hung on the wall using its eyelet (31).
- Avoid placing the unit next to metal objects such as metal window frames as this may cause interference with reception of RCC and connection range between the mains and the remote sensor.

Remote Sensor (Outdoor Unit)

For a more accurate reading and weather forecast, please place the sensor at a proper place:

1. Avoid exposing to direct rain, sunlight or other heat/cold source.
2. Make sure there is enough air flow around the sensor to reflect the changes of environment (Well-ventilated).
3. Make sure there ain't a thick wall or strong interference source using same signal frequency (433.92MHz) between the weather station and the sensor.
4. Place the sensor vertically at the height about 1.5m-3m / 4.9ft-9.8ft.

5. When the sensor is first used or relocated, let it stand for around one hour or more before having accurate measuring of temperature and humidity.
6. You can place the sensor in multi ways: hang from the back hole using a nail, place on a stable surface, or lift with a rope. In whatever way, make sure at least one side of the air vent (back or bottom) is not blocked.

Place on any stable surface | Hang from the back hole using a nail | Hang by threading the eyelet

Operation

Receiving Measurement / Automatic Time Signal (WWVB)

1. Once batteries are placed in the remote sensor, it will start transmitting temperature readings at roughly 45 second intervals. As soon as batteries are installed in the main unit, it will start searching for a signal from the remote sensor for about 3 minutes. Upon successful reception of the signal, the outdoor temperature and humidity will be displayed on the main unit. The main unit will automatically update its readings at about 2 minutes' intervals.

2. Subsequently, the main unit will attempt to receive the WWVB radio signal at UTC 7:00, 8:00, 9:00, 10:00, and 11:00 (If no reception, the station will search for the atomic time signal every 3 hours until the signal received). When attempting to receive, the symbol ▌ flashes. When the main unit detects the signal, ▌ symbol stops flashing, and receiving symbol 🕭 flashes. If the signal is successfully received in 7 minutes, the current time and date appear in the display and the symbol 🕭 will be shown permanently in the display.

Remarks:
A. If DST is set on, when the time zone selected has DST time, the DST icon or DST ALWAYS icon on display.
B. Upon RCC reception or RF connection, there is no response to any buttons pressed. Besides, the backlight brightness is low when receiving RCC signal. Please wait for the RCC reception finished.
C. If the clock fails to receive the time signal when set up, go ahead with the following steps:

- Try to find a better place (near the window) & avoid positioning very close to TV sets or computer, then press and hold [-/RCC] button for approx. 3 seconds to initialize radio signal reception manually.
- If the time signal receiving fails again, the time can be set manually.

Manual Time Setting

1. Press [SET] button to switch display of current time and alarm time.
2. In current time display mode, press and hold [SET] button to enter settings mode.
3. Press [+/CH] or [-/RCC] button to change the values (press and hold +/CH or -/RCC button to fast forward or backward the values).
4. Press [SET] button to confirm and to go the next setting items.
5. The setting sequence is RCC on/off →time zone(-04--10: AST/EST/CST/MST/P-ST/AKT/HAT) →DST on/off→year→month/date or date/month order→month→date →language of weekday (ENG=English / ITA=Italian / FRE=French / DUT=Dutch / SPA= Spanish / DAN=Danish / GER=German)→12/24 hour format→hour→minute→ barometer unit (inHg or hPa/mb).

Remarks:
- Upon setting of the current time, the analogue time will be updated automatically.
- If no operation for 20 seconds, the existing setting will be saved and the device returns to normal display mode.

Alarm Setting

1. Press [SET] button to switch display of current time into alarm time, the "AL" will display, then press and hold [SET] button to set the alarm time and snooze span.
2. Press [+/CH] or [-/RCC] button to change the values (press and hold +/CH or -/RCC button to fast forward or backward the values).
3. Press [SET] button to confirm and go to the next setting items.
4. The setting order is hour→minute→snooze span(5-60 minutes settable).
5. Normally, when the alarm time is set. The alarm will be on automatically. The alarm on symbol 🕭 appears in the display.
Remarks: In alarm mode, press [+/CH] or [-/RCC] button to activate or deactivate the alarm.
6. When the alarm is up, the symbol 🕭 flashes and the ring sounds for 2 minutes (the backlight will be on for 15 seconds).

Snooze Function

When the alarm is ringing:
1. press the [☼|☾] button to silence it for 5-60 minutes as set. The snooze icon Zz flashes then;
2. press any other button except [☼|☾] to turn off the alarm. The alarm will be activated again at the same time of the next day.

Backlight

1. In battery driven mode, press [☼|☾] button to have 15 seconds of backlight. Remarks: Constant backlight on is only in AC adapter power supply mode.
2. The brightness level (High-Medium-Low-OFF) of the backlight is adjustable by pressing the [☼|☾] button.

City Setting

Method A:
1. Press [CITY] button and the city flashes.
2. Press [+/CH] or [-/RCC] button to change the city (press and hold +/CH or -/RCC button to fast forward or backward the selection of the cities).
3. Press [CITY] button again to confirm the settings.

Method B:
1. Press and hold [CITY] button, and the first letter of the city flashes.
2. Press [+/CH] or [-/RCC] button to change the letter of the city (press and hold +/CH or -/RCC button to fast forward or backward the letters).
3. Press [CITY] button again to confirm and go to the next setting letter.
4. Press [CITY] button to confirm all settings.
Remarks:
- After city is confirmed, it will start calculate the sunrise and sunset time automatically, during the calculation, all buttons are unavailable.
- Scan the QR code to check the abbreviation of the main cities in North America.

(Main Cities List)

Sunrise / Sunset

The time of the sunrise and sunset for the desired city will be displayed next to the symbol ☼ (sunrise) and ☾ (sunset).

Remarks: If the world city letters chosen are not abbreviation for any city, then time of the sunrise and sunset will display "--:--".

Barometer / Barometric History Bar

The values for the air pressure will be updated each hour and will be displayed as a numerical value between 25.10 and 31.00 inHg (850 and 1050hPa/mb). The air pressure trend of the past 12 hours is stored and displayed in a graph.

Weather Forecast

Weather Icons

Sunny | Partly Cloudy | Cloudy | Rainy | Snowy

Weather Trend Indicator

If the weather forecast is same in a certain while, weather trend indicator displays as well as the weather forecast icon above the barometer.

Sunny | Partly cloudy | Cloudy | Rainy | Snowy

Freezing Point Indicator

When outdoor's temperature (reference sequence CH1→CH2→CH3) is or below 0 °C (32°F), freezing point indicator ❄, appears in the display besides the weather forecast zone.

Temperature / Humidity

Indoor temperature range: -10°C~+50°C　(+14°F~+122°F)
Outdoor temperature range: -30°C~+60°C　(-22°F~+140°F)
Indoor & outdoor humidity range: 1%-99%

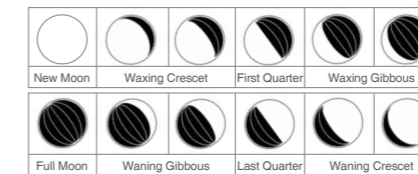## Max / Min Records of Temperature and Humidity

- Press [MEM] button to switch the display between the current temperature and humidity as well as MAX/MIN readings.
- In MAX/MIN display mode, hold pressing [MEM] button to purge the data manually. Remarks: The MAX/MIN data will be saved automatically. And the record will be cleared at 00:00 automatically daily.

Low Battery Indicator

When batteries of the remote sensor need to be replaced, the respective low battery indicator 🔋 will be displayed. Please replace the batteries in time and synchronise with the station again.

Moon Phase

Symbols for the moon phase

| New Moon | Waxing Crescet | First Quarter | Waxing Gibbous |
| Full Moon | Waning Gibbous | Last Quarter | Waning Crescet |

Dual USB Charging Ports

There are two USB charging ports (32) above the DC-in power input socket with MAX output 3A. Convenient for your mobile phone, tablet, earphone and other electronic gadgets charging.

For more questions or help needed, please contact our ELEGIANT online service to get the fastest reply and best solution, thank you and good luck for all :)

ELEGIANT Official Website

ELEGIANT Facebook Online

FC　CE　♻　RoHS