

Thank you for purchasing the new generation electronic weather station. Designed and engineered with the state-of-art technology and components, this instrument will provide accurate and reliable measurement of air pressure, in/out temperature and humidity together with WWVB. Read this manual carefully to full explore the sophisticated features and functions of the new product.

Name and Functions of Buttons:

	<u>Press Functions</u>	<u>Hold 3 seconds</u>
CHANNEL	Select Channel 1,2,3	Delete current channel
SET	ZONE Time	Enter clock & calendar setting
+	1 step forward Alarm 1, Alarm 2 on/ off	Fast advance
-	1 step backward	Fast backward Manual synchronization
MAX/ MIN	View max & min memory for temperature & humidity (hold to select C/F)	
CLEAR	Clear memory at Max/ Min display	Weather Offset
AL	Read ALARM TIME 1, 2	Set ALARM TIME 1, 2

- Press any key to stop alarm when alarm sounds

BATTERY INSTALLATION

Home Receiver:

Lift off the battery cover at the back, install 2 pcs AA batteries according to the polarity indicated, close the battery cover.

Remote Sensor:

Lift off the bracket stand, loose the 4 screws with a small screwdriver, insert 2 pcs AAA batteries according to the polarity indicated.

CH button: Slide to CH 1 for the first sensor

C/F button: Select viewing C or F

Tx button: Press to trigger a manual transmission

After selecting the desired modes, replace the cover and tighten the 4 screws.

SET UP:

Enter the Existing Weather Condition into your Weather Station

- I Install batteries into the home unit and it will ask you to enter the existing weather condition. Press **"MAX/ MIN"** to select the a weather condition (Sunny, Partial Sunny, Cloudy, Rainy, Stormy), press **"CLEAR"** to confirm the setting. The built-in barometer will be automatically offset in this setting.

Seeking WWVB

- I The clock will start to seek for the time signal after installing batteries. If radio time signal is available, the correct time and date will appear in around 2.5 to 5 minutes.

RADIO-CONTROLLED CLOCK

The unit will start synchronizing the clock before registering the RF thermometer.

Insert batteries into the remote sensor after the clock received the DCF time.

The Tower icon will flash regularly during synchronization. Signal strength level is indicated in this way:

1. Very Weak or no signal
2. Weak
3. Good
4. Icon appear fixed (Reception successful)
5. Icon out

If signal level is weak and time reception is not successful, move the unit away the source of interference and try again in another location with better radio signal.

The R/C clock will have a daily synchronization at 01:00 everyday. If not successful, the R/C clock will seek for time signal every hour. Each R/C reception cycle around 2 minutes to 5 minutes. To avoid interference, the unit will disable the buttons functions during radio time reception. This is not a defect. Simply press " – " button to turn radio time reception temporarily off.

Setting up Remote Sensor

- I Install batteries into the remote sensor. Press the “**TX**” key to trigger a transmission.
The outdoor temperature and humidity section will appear on the home unit. Always set the first sensor to CH 1. Maximum three sensors can be registered. One sensor is included in this package.
- I To verify transmission, press the Tx button of the remote sensor. The red LED on the remote sensor will flash when it transmit a signal. Temperature and humidity of the remote sensor will be updated and displayed on the remote sensor.
- I When replacing batteries for the remote sensor, remember to clear the corresponding channel of the home unit in this way: Select the respective channel by pressing the CH button, hold the CH button 3 seconds to clear the registration. Removing the batteries on the home unit can also clear all settings and registrations.

C/ F SELECTION on the home unit

Hold “MAX/MIN” button 3 seconds to select C and F

WEATHER FORECAST with Storm Alert

The built-in precision pressure sensor will read the atmospheric pressure and calculate the weather condition of the next 12 hours.

The resolution: **Sunny, Partial Sunny, Cloudy, Rainy, Stormy, Icy**

OFFSETTING AIR PRESSURE FOR WEATHER FORECAST

To ensure accurate weather forecast under different altitude of your location, user should enter the existing weather condition. The unit will memorize the existing weather condition with the current air pressure level.

The home unit will ask you to enter the existing weather condition right after installing batteries, please select the correct weather condition by pressing “ MAX/MIN “ and press “CLEAR” to enter. The home unit will try to seek for a remote sensor after the weather condition is being entered.

After the initial setup, in case the weather forecast deviates from the existing conditions, you can still change the weather offset in the way:

1. Hold “ **CLEAR** ” button for 3 seconds to enter the pressure offset mode. The weather icon will flash.
2. Select the existing weather condition by pressing “ **MAX/ MIN** “.
3. Press “ **CLEAR** “ to confirm and exit.

CLOCK & CALENDAR SETTING

Hold “ CLK/CAL “ button for 3 seconds to enter clock set. Using “ + , - “ to adjust and “ CLK/CAL ” to confirm, the following values can be set in sequence: 12/ 24 hr > Year > Month > Date > Hour > Minutes > ZONE Time

(Enter + - 12 hr in hour offset for different time zones, leave offset to 0 for home time) Press SET/ ZONE to select home time and ZONE Time

PRESSURE, TEMPERATURE, HUMIDITY TREND INDICATORS

The 3 small arrow icons will indicate: Rising, Steady, Falling. Refresh rate is every hour.

MOON PHASE

The current moon phase is displayed automatically.

ALARM 1, ALARM 2 SETTING

Select AL 1 or AL 2 by pressing the AL key. Hold “ AL “ for 3 seconds. Press “ +, - “ to enter the desired value and press “AL “ to confirm setting.

To view alarm time 1 and 2, simply press “AL” button to read AL 1 and AL 2. The alarm time will display for 5 seconds and resume to normal clock thereafter.

To turn AL 1, AL 2 on and off, press “ + (bell) “ button

The unit will provide Crescendo Alarm which last for 2 minutes.

LOW BATTERY INDICATION

Low battery indication is available for the home unit itself and all of the remote channels.

Replace the batteries and follow the setup procedure as mentioned in this instruction manual.

SPECIFICATIONS

Range of temperature measurement:

Indoor unit : -5 C to 50 C (32F to 122F)
25% to 90% RH

Remote sensor : -20 C to 60 C (14F to 140F)
25% to 90% RH

Transmission : 30M (100 ft.) open area, RF434 MHz

Resolution : 0.1 degree C, 1%RH

Clock : Quartz precision +-30 sec per month when out of RCC

Battery life : 12 months (alkaline batteries recommended)

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.

Modifications not authorized by the manufacturer may void users authority to operate this device.