DIGITAL BAROMETER WITH RADIO-CONTROLLED WIRELESS THERMO-CLOCK

Owner's Manual

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, humidity and in/ out temperatures. Read this manual carefully to full explore the features and functions of the new product.

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) the device must accept any interference received, including interference that may cause undesired operation.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER AUTHORITY TO OPERATE THE EQUIPMENT

Name and Functions of Buttons:

	<u>**Press Functions**</u>	<u>**Hold 3 seconds**</u>
CHANNEL	Select Channel 1,2,3, auto scroll	Delete current channel
SET/ ZONE	Select P/ M/ C/ E Zone Time	
ALARM	Read Alarm 1, Alarm 2 Read alarm time 5 sec at normal mode	Alarm time setting
MAX/ MIN	Read maximum/ minimum temperatures, humidity & air pressure (hold 3 sec to select C/ F)	
(BARO)		
Up	Step advance for pressure	Fast advance
Down	Step backward for pressure	Fast backward
BARO	Confirm barometer setting	

+	1 step forward (for clock)	Fast advance
	Alarm 1, 2 on/off	
-	1 step backward (for clock)	Fast backward
		RCC Sync
SNOOZE	Trigger snooze alarm & extended backlight	

BATTERY INSTALLATION

<u>Home Receiver</u>:

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

<u>Remote Sensor</u>:

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

SETTING UP THE BAROMETER

When power up, The unit will display reference SEA LEVEL PRESSURE (SLP) 29.91inHg or 1013 hPa.

To adjust correct pressure according to your location:

Press + , - to adjust the value according to the existing sea level pressure, then press +, - to select mb and inHg.   Press BARO to confirm and exit.   In normal mode, hold BARO key 3 seconds to repeat this setting.

SETTING UP THE WIRELESS THERMOMETER:

● For the first installation, always insert batteries to the home unit and then the remote sensor. Set Channel 1 for the first remote sensor.   Set channel 2 and channel 3 for the 2nd and 3rd sensor.

● Press the Tx button on the back of remote sensor to verify the RF reception.

● If more than 1 sensor is connected, press "CH" to select Ch1, Ch2, Ch3 and Auto Ch Scrolling.

RADIO-CONTROLLED CLOCK

The unit will start synchronizing the clock after the 1st channel of the RF thermometer is registered.   At normal mode, hold   " – " button 3 seconds for force synchronization. The antenna icon will appear during synchronization, if the icon disappear afterwards, radio time signal is not available at the moment.   Try other locations later.   Place the unit away from source of interference such as mobile phones, appliances, TV etc. Antenna icon will appear fix on screen if the radio time reception is successful.

The Four TIME ZONES in USA

At normal mode, press SET/ ZONE to select one of the 4 Time Zones in USA:

PST - Pacific Time

MST - Mountain Time

CST - Central Time

EST - Eastern Time

C/ F SELECTION

Hold Min/ Max for 3 seconds

HOME TIME & WORLD (ZONE) TIME

Press "SET/ ZONE " button to select display home time and world time. (world time available only if a zone value is entered in clock setting)

MOON PHASE

Moon phase will be displayed automatically according to current calendar.

WEATHER FORECAST

The unit predicts weather condition of the next 12 – 24 hours based on the change of atmospheric pressure.   The coverage area is around 30 – 50 km. The weather forecast is based on atmospheric pressure change and is about 70-80% correct.   As weather conditions cannot be 100% correctly forecasted, we cannot be responsible for any loss caused by an incorrect forecast.

Weather Forecast:

SUNNY   SLIGHTLY CLOUDY   CLOUDY   RAINY   STORMY

Pressure Tendency:

Rising   Steady   Falling

CLOCK & CALENDAR SETTING

Hold "SET/ ZONE " button for 3 seconds to enter clock set.   Using " + , - " to adjust and
" SET/ ZONE " to confirm, the following values can be set in sequence: Year > Month > Date
> Hr > Min > 12/ 24 > DST on/ off

At normal mode, press SET/ ZONE to select the 4 Time Zones in USA:

PST - Pacific Time

MST - Mountain Time

CST - Central Time

EST - Eastern Time

ALARM SETTING

Hold   "ALARM" for 3 seconds.   Press " +, - " to select AL 1 or AL 2 and press "ALARM" to
confirm. Press " +, - " to enter the desired Hr/ Min values and press "ALARM" to confirm
setting.

To view alarm time 1 and 2, repeat press "ALARM" button at normal mode. Alarm time 1 or 2
will display for 5 seconds and resume to normal clock thereafter.

To turn Alarm 1, 2 on and off, repeat press " + " button at normal mode.

SNOOZE/ LIGHT

Press SNOOZE/ LIGHT to trigger snooze alarm. **To stop alarm for one day, press ALARM
key but not "SNOOZE" key.**   At normal mode, press SNOOZE/ LIGHT for an extended
backlight.

MAX / MIN MEMORY

Press the "MAX/ MIN" to view the maximum values (In/ Out Temp and Humidity, Air Pressure)
for 5 seconds, press again to view the minimum memory.   To clear the memory record, hold
Max/ Min button while the respective values are displaying on screen.   Air Pressure record
will not be cleared manually, it will be cleared automatically every 12 hours.

Temperature & Humidity Trend Indicator: The icons will indicate Rising, Steady, Falling if
the temperature or humidity change is more than 1 degree within an hour.

LOW BATTERY INDICATION

Low battery indication is available for the home unit itself and all of the 3 remote channels.

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

BATERY DISPOSAL

Replace only with the same or equivalent type recommended by the manufacturer.

Please disposal of old, defective batteries in an environmentally friendly manner in accordance with the relevant legislation.

SPECIFICATIONS

Range of temperature measurement:

Indoor unit	:	0 C to + 50 C (32 F to +122 F)
Indoor Humidity	:	20% - 99% RH
Remote sensor	:	-20 C to +60 C (-4 F to +140 F)
Barometer	:	850 to 1050 mb/hPa
Channel	:	max. 3 remote sensors
Transmission	:	up to 30M (100 ft.) open area, RF434 MHz
Resolution	:	0.1 degree for temperature, 1% for humidity, 1 hPa mb for pressure
Clock	:	Radio-Controlled, Quartz back-up
Batteries	:	AA x 2 pcs for main unit, AAA x 2 pcs for remote sensor