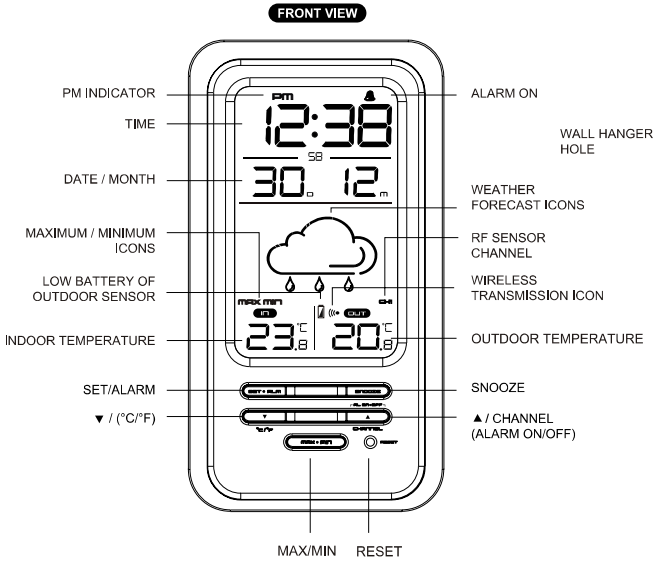
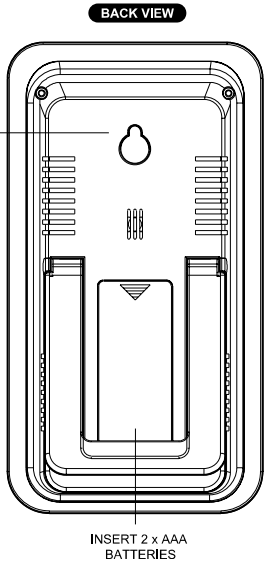
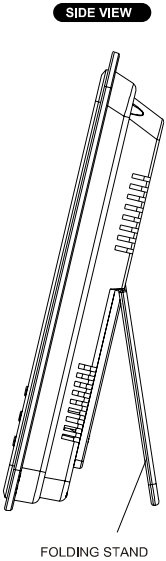
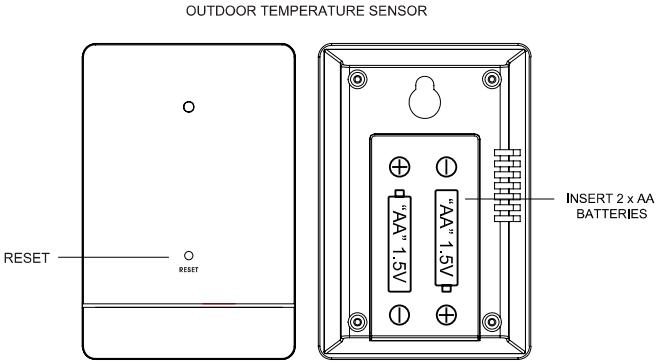
INSTRUCTION MANUAL OF WS 6720
Wireless Indoor and Outdoor Weather Station









QUICK START

1. Slide open the battery cover at the back of your wireless thermometer-clock.
2. Insert 2 x AAA batteries into the battery compartment by observing the correct + / - polarity signs inside the battery compartment.
3. Replace the battery cover. In few seconds the LCD shows the default time, calendar and the current indoor temperature and it starts to search for outdoor temperature signal.
4. Then insert 2 x AA batteries into the outdoor sensor. The outdoor temperature will be displayed with “CH1” shown on the lower line of the LCD. Your Thermometer-clock will be synchronized with outdoor sensor at Channel 1, the outdoor temperature will be display.

Remarks:

Keep in mind that your outdoor sensor 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 CALENDAR, 12/24 TIME AND TIME

1. Press and hold SET / ALM SET for 2 seconds, time digits change to year “2008 YR” and flash. Press ▲ / ▼ to set year.
2. Then press SET / ALM SET once again, month digits flash. Press ▲ / ▼ button to set month.
3. Then press SET / ALM SET once again, date digits flash. Press ▲ / ▼ button to set date.
4. Press SET / ALM SET once again, time digits change “24 Hr”, press ▲ / ▼ to select “12 Hr” time format or “24 Hr” time format. When “12 Hr” is selected, AM / PM icon will be displayed.
5. Then press SET / ALM SET once again, time digits changes to “00”, press ▲ / ▼ to select your time zone.
6. Then press SET / ALM SET once again, time digits “0:00” show up and the hour digits flash. Press ▲ / ▼ to set the hours.
7. Then press SET / ALM SET once again, minute digits flash. Press ▲ / ▼ button to set the minutes.
8. Press SET / ALM SET to return to normal mode, or it will return to normal mode in around 7 seconds if no press of any other buttons.

TO SET ALARM TIME

Press SET / ALM SET once, time digits change to alarm time digits “AM 7:00 AL”. Then press and hold SET / ALM SET for 2 seconds, the hour digits flash. Press ▲ / ▼ to set your desired hours of alarm time.

Press SET / ALM SET again, alarm minute digits flash. Press ▲ / ▼ to set alarm minutes.

Press SET / ALM SET again, time digits change to “05” and flash. Press ▲ / ▼ to set the snooze duration from 1 to 20 minutes.

Press SET / ALM 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.

TO TURN ON OR OFF YOUR ALARM

Press SET / ALM SET once to display the alarm time. When alarm time is displayed, press ▲ to turn on / off the daily alarm. When the alarm function is turned on, the icon appears between the hour and minute digits.

TO USE SNOOZE ALARM

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

1. Press SNOOZE once to stop the alarm temporarily, the icon keeps flashing. The alarm will beep again in 5 minutes.
2. To stop the alarm, press ▲ / CHANNEL (ALM On-Off) once, the alarm beep will stop and the icon become static, alarm will beep again same time next day.

Alarm Duration : 2 minutes

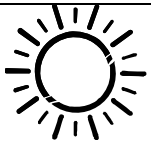
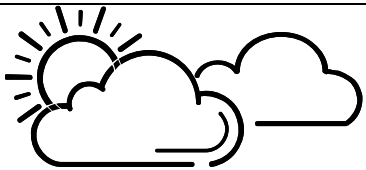
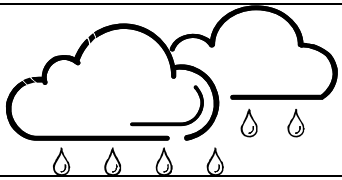
TO DISPLAY TEMPERATURE IN DEGREE °C OR °F
Simply press ▼ (°C/°F) to display temperature in degree C or degree F.

To Read the Maximum-Minimum Temperature Records
Press MAX/MIN once to view the indoor-outdoor maximum or minimum temperatures.

When the maximum indoor-outdoor temperatures are displayed, press and hold the MAX will clear the maximums and the unit will start to record and display fresh data again.

When the minimum indoor-outdoor temperature and humidity are displayed, press and hold the MIN will clear the minimums and the unit will start to record and display fresh data again.

TO USE THE WEATHER FORECASTER
There are four types of weather display in your weather station :

	SUNNY
	SUNNY AND CLOUDY
	CLOUDY
	RAINY

Remarks: for better use of your weather station, place it at a location with open air circulation e.g. close by an open window. Placing it at air-conditioned environment will affect its accuracy.

After your weather station is powered up, it will take around 24 hours to get stable. The weather icons on the display give a reference to the next 6-12 hours weather conditions. It may not match with the current weather condition outside.

TO SYNCHRONIZE YOUR CLOCK WITH MULTIPLE OUTDOOR SENSORS

Your wireless thermometer-clock is equipped with one outdoor sensor. You could purchase second or third outdoor sensor to work with this thermometer-clock at the same time.

1. Press ▲ / CHANNEL (ALM On-Off) once, the lowest line of the LCD shows “CH2” and show “--“. Then press and hold ▲ / CHANNEL / ALM On-Off for 2 seconds. Then insert 2 x AAA batteries into the second outdoor sensor. The temperature of second outdoor sensor will be displayed on the lower LCD.

2. You could repeat the same step to synchronize third outdoor sensor at “CH3”.

TROUBLE SHOOTING

1. In case your wireless thermometer-clock shows irrelevant information or digits, it maybe affected by electrostatic discharge or interferences from other devices. Press the RESET button once. Your unit will be reset to default setting of time and calendar and you need set time and calendar again.
2. In case the outdoor temperature shows “--“ :
   2.1) press ▲ / CHANNEL (ALM On-Off) to view the correct channel i.e. “CH1” is your default channel
   2.2) If Outdoor temperature shows “CH1”, press and hold ▲ / CHANNEL (ALM ON-OFF) for 2 seconds. The outdoor temperature should be displayed in around 1 minute.
   2.3) if the above do not work, repeat 2.2), then bring in the outdoor sensor and press RESET on the outdoor sensor.

Remark: if you observe a Low Battery icon on the lower left LCD, which means your outdoor sensor is at low battery level, replace the batteries of your wireless transmitter with fresh batteries.

CARE OF YOUR WEATHER SATATION 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

Indoor Temp. Range	-10°C to +50°C (+14.2°F to +122°F)
Outdoor Temp. Range	-50°C to + 70°C (-58°F to +158°F)
Out of Range Display	Temperature: HH.H / LL.L
Outdoor Temperature Interval	every 1 minute
Temperature Resolution	0.1°C
Alarm Duration	2 minutes
Transmission distance	up to 30 meters
Transmission frequency	433Mhz

Words in the figure:

Figure	English	Other Language
	FRONT VIEW	
	PM INDICATOR	
	TIME	
	DATE / MONTH	
	MAXIMUM / MINIMUM ICONS	
	LOW BATTERY OF OUTDOOR SENSOR	
	SET / ALARM	
	▼ / (°C/°F)	
	MAX / MIN	
	RESET	
	▲ / CHANNEL (ALM ON-OFF)	
	SNOOZE	
	OUTDOOR TEMPERATURE	
	WIRLESS TRANSMISSION ICON	
	RF SENSOR CHANNEL	
	WEATHER FORECAST ICONS	
	ALARM ON	
	BACK VIEW	
	WALL HANGER HOLE	
	INSERT 2 X AAA BATTERIES	
	SIDE VIEW	
	FOLDING STAND	
	OUTDOOR TEMPERATURE SENSOR	
	RESET	
	INSERT 2 X AA BATTERIES	

Quartz clock
12 / 24 h display
Date display
Indoor and outdoor temperature in °C or °F
MIN / MAX recording
Alarm with snooze
Weather forecast (based on temperature/humidity)