CONGRATULATIONS ON PURCHASING THE THINK GIZMOS WIRELESS WEATHER STATION.

BY FOLLOWING THESE INSTRUCTIONS CAREFULLY IT WILL BE A GREAT ASSET IN YOUR LOCAL WEATHER FORECASTING NEEDS.
1. WEATHER STATION FEATURES

1.1 Weather Station Features

- MSF Radio Controlled Time
- Time in optional 12/24 hour format.
- Date and weekday display.
- Continuous calendar up to 2099.
- Daily Alarm Feature.
- Automatic snooze function.
- Lunar phases display.
- Barometric pressure reading with 12 hour recording.
- Weather forecasting function
- Temperature display in °C or °F.
- Thermometer: Indoor measurement ranges: 0°C (32°F) - 50°C (122°F), outdoor measurement ranges: -20°C (-4°F) - 60°C (140°F).
- Temperature trend display.
- Hygrometer: Indoor and Outdoor measurement range: 20%-95% RH.
- Minimum / maximum display for air humidity and temperature.
- Temperature Alert.
- LED back light display.
- Batteries: 2xAA (not included).
- DC power supply: 4.5VDC (Included).

1.2 Remote Sensor (Transmitter) Features

- Transmitter frequency: 433MHz.
- Range of transmission is up to 60m (Open Space).
- Wall mountable.
- Batteries: 2xAAA (not included).
2. WEATHER STATION FEATURES CONTINUED

2.1 Weather Station Appearance

**Weather Station Front:**
- A1: Time
- A2: Week
- A3: Date
- A4: MSF Signal Icon
- A5: Alarm Icon
- A6: Indoor Icon
- A7: Outdoor Icon
- A8: Indoor Temp.
- A9: Indoor Min/Max Temp.
- A10: Indoor Humidity
- A11: Indoor Min/Max Humidity
- A12: Barometric Pressure
- A13: Barometric Pressure past 12 hours
- A14: Lunar Phases
- A15: Outdoor Humidity
- A16: Outdoor Min/Max Humidity
- A17: Frost Alert Icon
- A18: Outdoor Min/Max Temp.
- A19: Outdoor Temp. Alert Icon
- A20: Outdoor Temp.

**Weather Station Back:**
- B1: SNOOZE/LIGHT button
- B2: ALERT button
- B3: RESET button
- B4: ALARM button
- B5: + Button
- B6: MODE button
- B7: DC power input
- B8: - button
- B9: Battery compartment
3. IMPORTANT INFORMATION

3.1 Important Information

- In order to get the full screen brightness and easy visibility of all numbers and symbols, we recommend you use the included mains adaptor rather than batteries for the main unit.

- The remote sensor will work better if the main unit is powered by the included mains adaptor rather than batteries.

- Regarding the wireless remote sensor (which can be positioned indoors or outdoors), if it is used outside particularly in cold conditions we recommend the use of Lithium AA (requires 2) batteries as this will result in a more powerful signal and ensure no signal loss. This is only precautionary advice and the remote sensor does work fine with normal Alkaline batteries.

- The weather station needs to be powered for 12 hours before an accurate prediction will display.

3.2 Initial Operation

- Either Connect the mains power or open the Weather Station Battery compartment and insert 2 x AA batteries observing the correct polarity (+ and - marks), then close the battery compartment.

- When the power is connected all the icons on the LCD display will light up for 3 seconds, you will hear a beep tone and the weather station will start to detect the indoor temperature and humidity.

- The weather station will automatically search for the time via the MSF antenna within 7 minutes of powering on.

- Next the Weather Station will attempt to connect with the outdoor sensor. This lasts approximately 3 minutes and is displayed by the RF icon \(\text{RF} \) flashing (A7).

- Remove the battery compartment on the Wireless Outdoor Sensor, insert 2 x AAA batteries observing the correct polarity (+ and - marks) and close the battery compartment.

- Once the weather station has created a connection to the outdoor sensor the clock you will see the temperature displayed under the Outdoor Icon (A7).

- If Weather Station fails to receive a transmission from the outdoor sensor (“- -” is displayed on the LCD), press and hold the - button for 3 seconds to receive transmission manually.

- The RF icon \(\text{RF} \) will flash on the LCD and the outdoor temperature will show when it is connected.

3.3 Backlight

- When using battery power the backlight will be off. Press the SNOOZE/LIGHT button to enable the backlight for 15 seconds.

- When using Mains power the backlight will be lit automatically. The backlight has three settings on mains power High Brightness / Low Brightness / No Backlight. Press the SNOOZE/LIGHT button to cycle through these levels. This functionality only works when on mains power and not searching for the time.
4. TIME AND CALENDAR SETTINGS

4.1 Automatic Time/Date Setting

- The Weather Station automatically starts the MSF Signal search after 7 minutes of any restart or change of batteries.
- To manually start the MSF signal search, press and hold down the + button for 2 seconds.
- The radio mast icon will flash showing it is searching for signal.
- Once the signal is found the Time and Date will be automatically set. If no signal is found within 7 minutes the radio mast icon will disappear and it will automatically start searching again in 1 hour.

4.2 Automatic Time/Date Further Information

- During the MSF signal search mode, the SNOOZE/LIGHT button will only brighten the screen from its dimmed mode whilst searching for the MSF signal and the + button will cancel the MSF signal search. A flashing radio mast icon indicates that the MSF signal search is in progress. To cancel the MSF signal search, press the + button once.
- A continuously displayed radio mast icon indicates that the MSF signal has been received successfully.
- At 1:00 / 2:00 / 3:00am the Weather Station automatically carries out a synchronization procedure with the MSF signal to correct any deviations to the exact time. If this synchronization attempt is unsuccessful (The radio mast symbol disappears from the display), the system will automatically attempt another synchronization at the next full hour. This procedure is repeated automatically up to 5 times.
- If the clock cannot receive the MSF signal (because the distance is too great to receive a signal from the transmitter in Anthorn, Cumbria), you have the option of setting the time manually and instructions can be found on page 7. As soon as the reception of the MSF signal is received the Weather Station is re-adjusted automatically.
- We recommend a minimum distance of 2.5 meters (8.2 Feet) to all sources of interference, such as televisions or computer monitors.
- Radio reception can be weaker in rooms with concrete walls and in offices. In such extreme circumstances, place the system close to the window for better signal reception.
5. TIME AND CALENDAR SETTINGS CONT.

5.1 Manual Time / Date Setting

Note: After 20 seconds without pressing any button, the clock switches automatically from Set Mode to Normal Time Mode.

- Press and hold down the **MODE** button for 2 seconds, the 12/24 hour mode display starts to flash. Now use + and - buttons to set the correct 12/24 hour mode.
- Press **MODE** button to confirm your setting, the temperature display shown by °C starts to flash. Now use + and - buttons to set the temperature unit in °C or °F.
- Press **MODE** button to confirm your setting, the barometric pressure displayed by mb/ hPa starts to flash. Now use + and - buttons to set the pressure unit in mb/hPa or inHg or mmHg.
- Press **MODE** to confirm your setting, the Hour display starts to flash. Now use + and - buttons to set the correct hour.
- Press **MODE** to confirm your setting, the Minute displays starts to flash. Now use + and - buttons to set the correct minute.
- Press **MODE** to confirm your setting, the date format displays starts to flash. Now use + and - buttons to set the correct date format.
- Press **MODE** to confirm your setting, the Year display 2014 starts to flash. Now use + and - buttons to set the correct year.
- Press **MODE** to confirm your setting, the Month display starts to flash. Now use + and - buttons to set the correct month.
- Press **MODE** to confirm your setting, the Date display starts to flash. Now use + and - buttons to set the correct date.
- Press **MODE** to confirm your setting and to end the setting procedure.
6. ALARM SETTING

6.1 Setting the Daily Alarm

Note: After 20 seconds without pressing any button, the clock switches automatically from Set Mode to Normal Time Mode.

Proceed as follows to set the alarms:
● Press and hold down the ALARM button for 2 seconds until the alarm time hour display starts to flash.
● Press the + and - keys to set the correct hour.
● Press ALARM to confirm the settings.
● The minute display will start to flash. Press the + and - keys to set the correct minute.
● Press ALARM to confirm the settings end the alarm setting procedure.

6.2 Activating and Deactivating the Alarm

● Press the ALARM button once to activate the alarm. The icon will show on the display when the alarm is active.
● Press the ALARM button again to deactivate the alarm. The icon will no longer be shown on the display.

6.3 Alarm Information

● Press any button except the SNOOZE/LIGHT button to deactivate the alarm when it sounds.
● If not manually stopped the alarm will sound for 2 minutes before automatically stopping.
● Once the alarm has been stopped it does not need resetting as it will automatically sound 24 hours later at the set time.
● Rising Alarm (length: 2 minutes) changes the volume four times whilst the alarm signal is heard.

6.4 Automatic Snooze Function

Proceed as follows to activate the automatic snooze function:
● While the alarm is sounding, press the SNOOZE/LIGHT button to activate the snooze function.
● This operation moves the alarm back by 5 minutes and the alarm will restart at this time.
● The snooze function can be interrupted by pressing any button.
7. TEMPERATURE INFORMATION

7.1 °C/°F Temperature Display

- The temperature is displayed either in °C/°F. The temperature unit can be set by following the manual time settings on page 7.
- If the temperature reading is below the minimum range then LL.L will be displayed. If it is above the maximum reading then HH.H is displayed.

7.2 Temperature Trend Display

After you insert the batteries, the weather station measures the current temperature. The trend display shows a neutral temperature course. The further course of the trend display is determined as follows:

- If, after an hour, the temperature is more than 1°C higher than the value measured first, then a positive course is displayed.
- If, after an hour, the temperature is more than 1°C lower than the value measured first, then a negative course is displayed.
- If the temperature does not change within an hour, then the upward or downward pointing arrow becomes a horizontal arrow. The measured temperature is then taken as the neutral value from which further prognoses are made.

7.3 Outdoor Temperature Alert Settings

- Press and hold down the ALERT button for 2 seconds until the icon for Temperature Alert starts to flash.
- The icon of Upper limit of the alarm will flash. Use the + and - buttons to set the required maximum temperature. Press the ALERT button to confirm the settings.
- The icon of Lower limit of the alarm will flash. Use the + and - buttons to set the required maximum temperature. Press the ALERT button to confirm the settings and to end the settings procedure.

7.3 Activating and Deactivating Temp/Frost Alerts

- Briefly press the ALERT button to activate or deactivate the Temperate Alert and Frost Alert.
- If the frost alert is activated snowflake icon will appear in the Outdoor Temperature area. The alarm will sound at -1°C to +3°C or at +30°F to +37°F.
- If the temperature alert is activated the Temp Alert symbol appears in the Outdoor Temperature area. The alarm will sound at the set values.
- Both the temperature and frost alerts can be active at the same time and both icons will show on the weather station.

7.4 Maximum/Minimum Temperature

- The Weather Station will automatically show the daily Max and Min Temperatures once it starts receiving readings. These will reset at 0.00 automatically.
8. HUMIDITY AND AIR PRESSURE INFORMATION

8.1 Relative Humidity Trend Display

After you insert the batteries, the weather station measures the current relative humidity. The trend display shows a neutral relative humidity course 🔄. The further course of the trend display is determined as follows:

- If, after an hour, the relative humidity is more than 5% higher than the value measured first, then a positive course is displayed 🔄.
- If, after an hour, the relative humidity is more than 5% lower than the value measured first, then a negative course is displayed 🔄.
- If the relative humidity does not change within an hour, the upward or downward pointing arrow becomes a horizontal arrow. The measured relative humidity is then taken as the neutral value from which further prognoses are made.

8.2 Maximum/Minimum Relative Humidity

- The Weather Station will automatically show the daily Max and Min Relative Humidity once it starts receiving readings. These will reset at 0.00 automatically.

8.3 Barometric Pressure Display

- The current barometric pressure is automatically shown on the Weather Station once it starts receiving readings.
- The barometric pressure can be displayed in either mb/hPa, inHg or mmHg. The units can be selected when by following in the manual time setup on page 7.
- If the barometric pressure reading is below the minimum range, then LLLL will be displayed. If the barometric pressure reading is above the maximum range, then HHHH will be displayed.

8.4 Relative Barometric Pressure History

The relative barometric pressure history can be displayed to view the air pressure changes over the last 0-12 hours.

Press the + button repeatedly to display the recorded barometric pressure during the last 0-12 hours. The numeric recorded air pressure will be displayed according to the hour.

- 0HR = Present barometric pressure.
- -1HR = Barometric pressure an hour earlier.
- -2HR = Barometric pressure an two hours earlier, etc.

Note: After 20 seconds without pressing any button the clock will switch back to the current barometric pressure reading.
9. AIR PRESSURE INFORMATION CONTINUED

9.1 Relative Barometric Trend Display

After you insert the batteries, the weather station measures the current barometric pressure. The trend display shows a neutral relative pressure course [TREND ↓]. The further course of the trend display is determined as follows:

- If, after an hour, the relative barometric pressure is higher than the value measured first, then a positive course is displayed [TREND ↑].
- If, after an hour, the relative barometric pressure is lower than the value measured first, then a negative course is displayed [TREND ↓].
- If the relative barometric pressure does not change within an hour, the upward or downward pointing arrow becomes a horizontal arrow. The measured relative barometric pressure is then taken as the neutral value from which further prognoses are made.

10. WEATHER FORECAST / MOON PHASES

10.1 Weather Forecast

The weather station uses the air pressure data to create a weather forecast for the next 8 hours.

The following weather symbols are used to represent the weather forecast:

- Sunny
- Slightly Cloudy
- Cloudy
- Rainy
- Heavy Rain
- Snowy
- Heavy Snow

Note:
- The data shown within the first 12 hours after inserting the batteries may not be correct, as the weather station has to get used to the environmental circumstances after the restart.
- The weather station shows the forecast for the next 8 hours not the current weather.
- Please take the weather forecast from your local weather forecasting service into account as well as the forecast from your weather station. If there are discrepancies between the information from your device and from the local weather forecasting service, please take the advice of the latter as authoritative.
- The weather forecast is calculated from evaluation of fluctuations in the barometric pressure and may deviate from the actual weather conditions.

10.2 The Moon Phases

The Weather Station has a display which will automatically display the current Moon Phase based on the date. Below are the different moon phases shown on the display:

- New Moon
- Waxing Crescent
- First Quarter
- Waxing Gibbous
- Full Moon
- Waning Gibbous
- Last Quarter
- Waning Crescent
11. WARRANTY

11.1 Warranty Information

What is Covered:
This warranty covers any defects in materials or workmanship, with the exceptions stated below.

How Long Coverage Lasts:
This warranty runs for 1 Year from the date your Weather Station is delivered.

What is not covered:
Any problem that is caused by abuse, misuse, or an act of God (such as a flood) are not covered.

What We Will Do:
If the Product proves defective during the warranty period, we will provide you with the instructions for the return, and we will take one of the following actions: (i) replace the Product with a product that is the same or equivalent to the Product you purchased; (ii) repair the Product; or (iii) refund to you the whole of or part of the purchase price of the Product.

How To Get Service:
To obtain instructions on how to obtain service under this warranty, contact our customer service by phone or email. You will find the contact details of our customer service below. Customer service may ask you questions to determine your eligibility under this warranty, and if you are eligible you'll be given instructions for returning the defective Product. If we send you a replacement or repair your Product, we will pay the cost of delivering the replacement or repaired Product to you.

Do not return the item to the original place of purchase, please contact Think Gizmos direct.

Think Gizmos, Unit 19, Lawson Hunt Industrial Park, Broadbridge Heath, West Sussex, RH12 3JR
Tel.: +44/(0)203 384 8304
help@thinkgizmos.com • www.thinkgizmos.com
Meaning of the ‘Dustbin’ Symbol:
To protect our environment, do not dispose of electrical equipment in with domestic waste.

Please return any electrical equipment that you will no longer use to the collection points provided for their disposal.

This helps to avoid the potential effects of incorrect disposal on the environment and human health.

This will contribute to the recycling and other forms of reutilisation of electrical and electronic equipment.

Information concerning where the equipment can be disposed of can be obtained from your local authority.

“CE” marking states that the product is compliant to European Directives
2014J35/EU Low Voltage Directive (LVD)
2004/108/EC EMC Directive

It is possible to request a full copy of Declaration of compliance from the Distributor:

This product complies with the rules of RoHS Directive(2011/651EU)
This product complies with the rules of Eup Directive(2009/125/EC)

Thinkgizmos is a registered trademark of Paramount Zone Ltd