User manual of E41/ A41

FODY

Tempus Pro Weather Station

E41/A41

Owner's Manual

Thank you for your purchase of this product. This manual describes how to use your bluetooth® enabled weather station. Be sure that you have read and understand its contents before using the weather station.

For information on related products, visit our website at
http://myfody.com/XXXXXXX

For more information on the E40/ A40, please visit:
http://myfody.com/XXXXXXX

For compatible devices, please visit:
http://myfody.com/XXXXXXX

For Your Safety

Warning

Use only batteries or AC power adaptors specified for use with this weather station. Do not use voltages other than the power supply voltage shown.

Caution

• Do not subject the unit to excessive force, shock, dust, temperature or humidity.
• Do not cover the ventilation holes with any items such as newspapers, curtains etc.
• Do not immerse the unit in water. If you spill liquid over it, dry it immediately with a soft, lint-free cloth.
• Do not clean the unit with abrasive or corrosive materials.
• Do not tamper with the unit's internal components. This invalidates the warranty.
• Only use fresh batteries. Do not mix new and old batteries.
• Images shown in this manual may differ from the actual display.
• When disposing of this product, ensure it is collected separately for special treatment.

• Placement of this product on certain types of wood may result in damage to its finish for which Fody will not be responsible. Consult the furniture manufacturer's care instructions for information.

• The contents of this manual may not be reproduced without the permission of the manufacturer.

• Do not dispose old batteries as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.

EU-Declaration of Conformity

Hereby, Fody declares that the main console and the multi-sensor pickup are in compliance with the essential requirements and other relevant provisions of Directive 2006/95/EC.

A copy of the signed and dated Declaration of Conformity is available on request via our email, fody@myfody.com

CE

COUNTRIES RTTE APPROVAL COMPLIED

All EU countries

FCC Statement

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

WARNING

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 needed.
- Consult the dealer or an experienced radio / TV technicians for help.

The following information is not to be used as contact for support or sales. Please call our customer service number (listed on our website at www.myfody.com) or email us at customercare@myfody.com for all inquiries instead.

Responsible party

Name: Fody LLC
Address: 4009 La Costa Court, Irving
Texas 75038, USA
Telephone No.: 1-844-334-9847

Declared product

Product No.: A38
Product Name: Bluetooth Enabled Weather Station with external adaptor
Manufacturer: Chung's Electronic Co., Limited.
Address: Unit 1-3, 9/F., Wang Lung Industrial Building,
11 Lung Tak Street, Tsuen Wan, N.T.
Hong Kong

About This Manual

Before using the weather station, read this manual and the warnings in "For Your Safety". For information on specific topics, consult the sources below.

Table of Contents

The "Table of Contents" gives an overview of the entire manual. The principal operations are listed here.

Messages and Displays

Find out what's behind the icons or messages in the app.

Troubleshooting

Having a specific problem with the weather station? Find the answer here.

Table of Contents

Before You Use

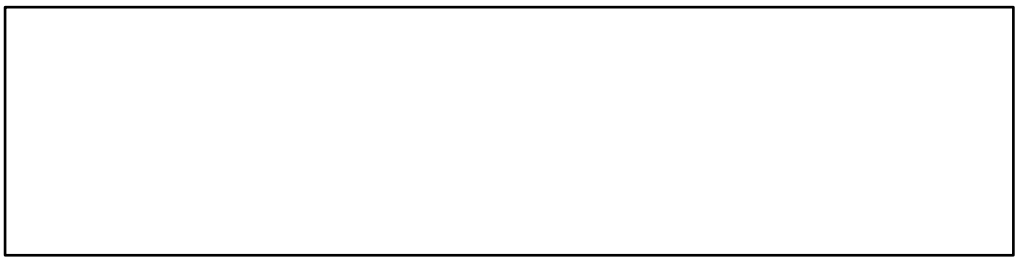
Supplied Accessories

The following items are included in the packaging.

 E38/A38 Main Console	 E43/A43 Multi-sensor Pickup	 Power adapter with 3 AC plugs	. USB Cable . Batteries x 3pcs . User Manual (this manual)

How does it work?

The multi-sensor pick-up wirelessly sends the measurements to the main console using a radio signal. The main console then sends both its own measurements and the sensor modules' measurements via Bluetooth to your Fody App.



First Steps

Installing your weather station

1. Download your Fody app to your mobile device from Apple iTunes / Google Play.
2. Plug in the USB power cable with the main console
3. Check that the LED flashes to ensure power on.
4. Insert batteries into your multi-sensor pickup and tighten the screw.

Configuring with a smartphone

When you configure your Fody weather station with a smartphone, you need to have your phone's bluetooth turned on. To turn on the bluetooth, please visit the phone's setting menu.

Pairing the devices

Following the Start Up page in the Fody App will be the Pair Device page. You can select your main console from the Device list.

The next step is to Add Sensor to pair with the main console. Do this step within 3 minutes when your sensor module is powered.

Default password : 000000

* Each Fody weather station has no limitation to number of users.

Changing password

You can change the password of your Fody weather station to limit the users.

To change password:

1. Go to Setting at the main page.
2. Select My Device, then Pair Device.
3. Select your weather station.
4. Tap on the top-right-hand gear, select Reset Password from the menu.
5. Enter and confirm the new password. Then, save it.

* Each user should be notified of the new password.

Additional sensor modules

You can add sensor modules to your Fody Weather Station by configuring in Fody App.

Each console can support one pickup sensor and up to 3 child sensors.

To add a new sensor module:

1. Go to Setting at the main page.
2. Select My Device, then Pair Device.
3. Select your weather station.
4. Tap on the top-right-hand gear, select Add Sensor from the menu.
5. You can easily delete or hide every sensor by swiping to the left. Then, select hide or delete.

Features

Changing the unit setting

1. Go to Setting at the main page of Fody App.
2. Select My Setting and make changes in Change Unit.
3. To display any given type of unit of given measure, select it from the menu.

Personalizing the channels

1. Go to Setting at the main page of Fody App.
2. Select My Device, then Pair Device.
3. Select your weather station.
4. By swiping to the right, you can personalize the weather station, main console and every channel for identification.

Changing the wallpaper

1. Go to Setting at the main page of Fody App.
2. Select My Setting, then Change Wallpaper.
3. Choose the wallpaper from the selections. Then, save it.

Setting Alerts

You can make your personal alerts by setting low or high values of given measures in different channels.

1. Go to Alert Setting at the main page of Fody App.
2. Select your weather station.
3. Tab on the green button to add main console or the red button to add channels.
4. Select the sensors and given measures, and choose between L (lower than) and H (higher than). You can set any values to get notifications.
5. Tab on the right button of each channel to switch the alert on and off.
6. Save before you leave the page.

To stop all notifications:

1. Go to Setting at the main page of Fody App.
2. Select my setting and switch off the Notification.

Sharing to media

You can share your micro-climatic information to your friends in social media.

1. Select Share at the main page of Fody App.
2. Select your weather station.
3. Select the channels that you want to share.
4. Choose the social media at the bottom

You can share the information with a photo background, either use your own photo or restore the default photo.

Sensors

Thermometer

1. Temperature measurement

The temperature is measured by both main console and multi-sensor pickup.

2. Minimum and maximum

When you slide the dashboard up or down, minimum and maximum temperatures will appear below the current temperature: maximum is indicated in duplex white and minimum in white ash word.

Minimum and maximum temperatures are the highest and lowest temperatures measured during last 24 hours.

Barometer

1. Pressure measurement

Absolute barometric pressure is measured by the main console.

2. Weather forecast

Weather condition of next 8~12 hours is predicted using the barometric pressure.

Fluctuations in barometric pressure are usually a sign of weather conditions. A rise in pressure usually means improving weather while falling pressure may reflect impending inclement weather.

Hygrometer

1. Relative humidity measurement

Relative humidity is measured by both main console and multi-sensor pickup.

2. Minimum and maximum

When you slide the dashboard up or down, minimum and maximum relative humidities will appear below the current relative humidity: maximum is indicated in duplex white and minimum in white ash word.

Minimum and maximum temperatures are the highest and lowest relative humidities measured during last 24 hours.

Rain gauge

1. Rainfall measurement

Rainfall is measured with a self-emptying rain collection cup with tipping bucket rain gauge in the multi-sensor pickup. Water makes the bucket tip, and the number of tips is counted through a magnet placed on the bucket.

2. Display measures

Your dashboard displays cumulative rainfall during the hour / day / week / month / year.

To change the setting, repeat the unit setting procedures at P.?

3. Setup and precaution

The rain gauge should be place horizontally, if possible between 0,5 and 1,5m (2 and 5 feet) high and 3 m away from surrounding obstacles.

Wind gauge

1. Wind measurement

Wind speed, wind gust, wind direction & Beaufort scale is measured with the anemometer and the wind vane in the multi-sensor pickup.

2. Display measures

Your dashboard displays average wind speed during the hour centered in the compass and the wind direction pointed on the compass.

Next to the compass is the current wind gust: maximum is indicated in duplex white. Beaufort

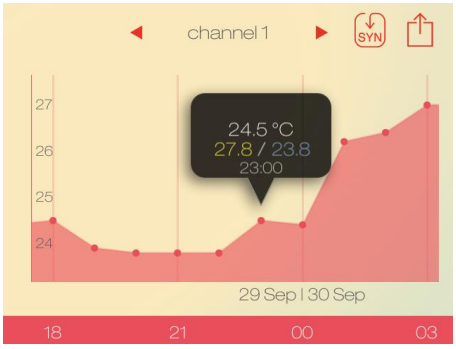
scale is indicated in green under the wind gust.

Graphs

Navigating from dashboard to graph

Slide the dashboard down, the historical data is displayed at the bottom in line chart format. Or you can tap on each section of the channels to navigate to the graph page.

Each point on the graph represents the average value in an hour. You can tap on a point to read the average, highest and lowest values in the hour.



Tilting your smartphone landscape, you can view the graph in full screen.

Synchronising data

Download the historic data by tapping on the "SYN" icon. To display a given type of measure, select the icons at the bottom.

To select channel, tap on the left and right arrows next to the channel name.

Showing graphs

You can display the graph by day, week, month, 3 months or year. Slide the graph from left to right, you can view the earlier data.

Zoom in and out by pinching the graph in and out.

Exporting data

Export the historic data to your email by tapping on the export icon "  ", then select the date range and channels that need to be exported.

Messages and Displays

The following icons appear in the app.

Icon	Description
	Notification
	Help
	Low Battery
	No Signal
	Weak Signal
	Excellent Signal
	Temperature
	Humidity
	Barometric pressure
	Rainfall
	Wind speed
	Data export
	Synchronize with the main console to download data

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Troubleshooting

1. Outdoor data is not displayed?

If your sensor module's data is not displayed on the Fody dashboard, although indoor measurements are still visible, the link between the console and module might not be working. This may occur due to one of the following reasons:

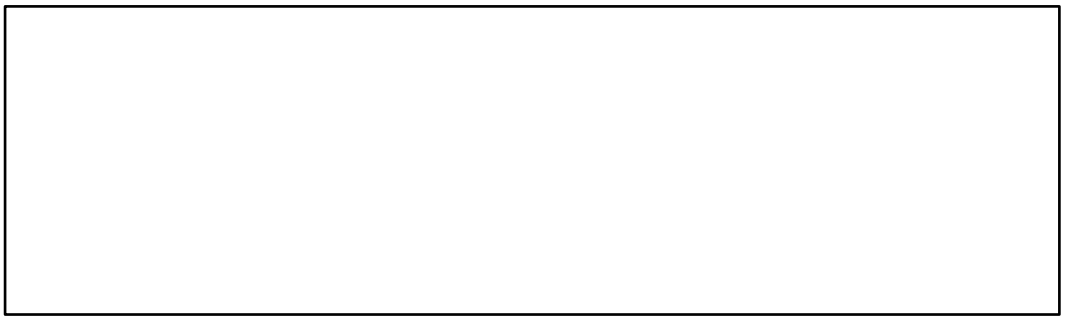
Reason 1: Batteries are low

Check the sensor module's batteries. Low battery sign will appear next to the channel name in Fody App dashboard.

Reason 2: Weak radio signal

If the sensor module is located too far away from the main console, or if the sensor module and the main console are separated by solid obstacles like concrete walls, data might not be transmitted correctly.

Low reception sign will appear next to the channel name on the Fody App dashboard. In that case, make sure to move the two modules closer to each other.



2. The Fody App dashboard is not displaying any measurements?

The main module may not be connected to the power source. No battery sign will appear next to the channel name in Fody App dashboard.

3. Unable to add new sensors?

If you are unable to add new sensor, all channels may be occupied. You can go the Pair Device page of the Fody App and delete one of the channels. Then, repeat the procedures of adding new sensor.

4. Unable to synchronize data?

The average values of the measures in every hour are calculated and stored in the main console. Thus, make sure the weather station has been powered for few hours to have sufficient data stored for synchronization.

Specification

TYPE	DESCRIPTION
MAIN CONSOLE	
D x W x H	47 x 63 x 158 mm
Weight	121 g
Power	5V, 500 mA adaptor
Signal Frequency	868 MHz (European) / 915 MHz (North American)
Support Channels	Four (One multi-sensor pickup and up to three child sensors)

Indoor Temperature	
Temp. Unit	°C or °F
Displayed Range	-40°C to 70°C (-40°F to 158°F) (< -40°C: LO; > 70°C: HI)
Operating Range	-10°C to 60°C (14°F to 140°F)
Resolution	0.1°C or 0.1°F
Accuracy	+/- 1°C or 2°F typical @ 25°C (77°F)
Display Modes	Current, Max and Min, Historical data of past 24 hours
Memory Modes	Max & Min from last memory reset
Alarm	Hi / Lo Temperature Alert

Indoor Humidity	
Displayed Range	20% to 90% RH (<20%: LO; >90%: HI)
Operating Range	20% to 90% RH
Resolution	1%
Accuracy	+/-5% typical @ 25°C (77°F)
Display Modes	Current, Max and Min, Historical data of past 24 hours
Memory Modes	Max & Min from last memory reset (with time stamp)
Alarm	Hi / Lo Humidity Alert
Data Storage	7 days on main console ; 1 year on smart devices

Indoor Barometer	
Barometer Unit	hPa, inHg and mmHg
Measuring Range	850 to 1050 hPa
Resolution	1hPa, 0.01inHg, 0.1mmHg
Accuracy	+/- 3 hPa / +/- 0.01 inHg / +/- 2.3 mmHg
Weather Forecast	Sunny, Partly Cloudy, Cloudy, Rainy, Stormy
Display Modes	Current, Max and Min, Historical data of past 24 hours
Memory Modes	Max & Min from last memory reset (with time stamp)

TYPE	DESCRIPTION
MULTI-SENSOR PICKUP (E43/A43)	
L x W x H	343.5 x 393.5 x 136 mm
Weight	673 g with batteries
Power	3 x AA size 1.5V batteries (Lithium battery recommended)
Signal Frequency	868 MHz (European) / 915 MHz (North American)
Update Interval	Every 12 seconds

Outdoor Humidity	
Displayed Range	1% to 99% (<1%: LO; >99%: HI)
Operating Range	1% to 99%
Resolution	1%
Accuracy	+/- 3% typical @ 25°C (77°F)
Display Modes	Current, Max and Min, Historical data of past 24 hours
Memory Modes	Max & Min from last memory reset (with time stamp)
Alarm	Hi / Lo Humidity Alert

Rain Gauge	
Unit of Rainfall	mm & in
Range of Rainfall	0~9999mm (0~393.7inches)
Resolution	0.4 mm (0.0157 in)
Accuracy	+/- 7%
Display Modes	Rainfall (Rate / Daily / Weekly / Monthly), Historical data of past 24 hours
Memory Modes	Total rainfall from last memory reset
Alarm	Hi Rainfall Alert

Oudoor Temperature	
Temp. Unit	°C or °F
Displayed Range	-40°C to 70°C (-40°F to 158°F) (< -40°C: LO; > 70°C: HI)
Operating Range	-40°C to 70°C (-40°F to 158°F) with Lithium battery; -20°C to 70°C (-4°F to 158°F) with Alkaline battery
Resolution	0.1°C or 0.1°F
Accuracy	+/- 0.5°C or 1°F typical @ 25°C (77°F)
Display Modes	Current, Max and Min, Historical data of past 24 hours
Memory Modes	Max & Min from last memory reset (with time stamp)
Alarm	Hi / Lo Temperature Alert

Wind Gauge	
Wind Speed. Unit	mph, m/s, km/h, knots
Wind Speed Range	0~112mph, 50m/s, 180km/h, 97knots
Wind Speed Resolution	0.1mph or 0.1knot or 0.1m/s
Speed Accuracy	+/- 10%
Direction Resolutions	16
Display Modes	Gust/average wind speed & direction, Historical data of past 24 hours
Memory Modes	Max gust speed with direction (with time stamp)
Alarm	Hi Wind speed Alert (Average / Gust)