Ōregon
S C I E N T I F I C

**Wide-Screen Weather Forecast RF Clock
with Thermometer
Model: JM828WF / JM828WFU**

User Manual

WIDE-SCREEN WEATHER FORECAST RF CLOCK

WITH THERMOMETER

MODEL: JM828WF (Europe Version)
JM828WFU (UK Version)

USER MANUAL

INTRODUCTION

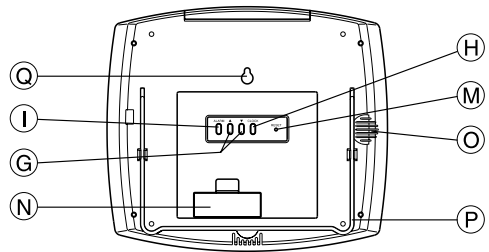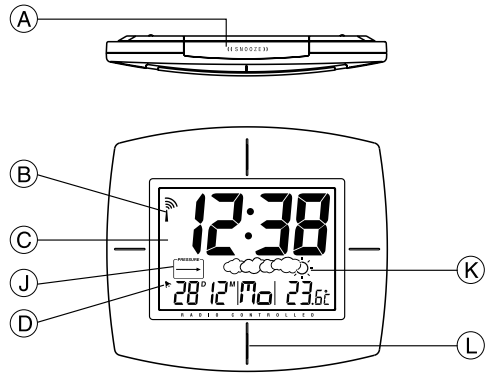Congratulations for purchase of the JM828WF Weather Forecast RF Clock.

The JM828WF is a multifunction Radio Frequency (RF) controlled clock. When brought within radio signals generated from Frankfurt, Germany (DCF77) (Model JM828WF) or from Rugby, UK (MSF60) (Model JM828WFU), the unit will automatically synchronize with the current time and date.

The JM828WF can indicate weather forecasts and pressure change trends.

Other features include a daily crescendo alarm with an eight-minute snooze function, and extra-large display.

MAIN FEATURES

Ⓐ **SNOOZE BUTTON**
Activates the snooze function

Ⓑ **RADIO RECEPTION SIGNAL**
Indicates the condition of radio reception

Ⓒ **EXTRA - LARGE DISPLAY**
Displays the time, date, alarm status, and temperature

Ⓓ **ALARM ON ICON [ ]**
Appears when the alarm is activated

Ⓔ **ALARM ICON [(•)]**
Appears when the alarm time is displayed

Ⓕ **BATTERY LOW (BATT) INDICATOR**
Lights up when the batteries are running dry

Ⓖ **UP [▲] AND DOWN [▼] BUTTONS**
Increases or decreases the value of a setting

Ⓗ **CLOCK BUTTON**
Toggles the calendar clock display modes or activates the calendar clock setting mode

Ⓘ **ALARM BUTTON**
Displays the alarm time or sets the alarm status

Ⓙ **TREND INDICATOR**
Indicates the trend of pressure changes

Ⓚ **WEATHER FORECAST**
Indicates the change of weather pattern

Ⓛ **SENSOR**
For indoor temperature reading

Ⓜ **RESET BUTTON**
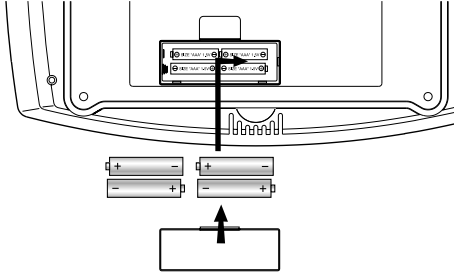Resets the unit by returning all settings to their default values

Ⓝ **BATTERY COMPARTMENT**
Accommodates four UM4 or AAA-size batteries

Ⓞ **ALARM**
Speaker alarm

Ⓟ **TABLE STAND**
For mounting the unit on a flat horizontal surface

Ⓠ **WALL - MOUNT HOLE**
For mounting the unit on a wall

BATTERY INFORMATION

The unit requires four UM4 or AAA-size batteries for operation.

How to insert batteries:

1. Press the door tab and click open the door.

2. Insert the batteries strictly according to the polarities shown therein.

3. Replace the door until it clicks in place.

Replace the batteries when the battery low indicator lights up.

ABOUT RADIO RECEPTION

The JM828WF is designed to automatically synchronize its current time and date when brought within range of the DCF77 or the MSF60 (Model JM828WFU) RF signal.

When the unit is within range, its radio-control mechanism will override all manual settings.

When the unit is receiving radio signal, the reception icon will start to blink. The reception icon will show either strong, weak or no signal depending on the strength of the radio signal. A complete reception generally takes about two to 10 minutes.

Receiving radio signal			
	No signal	Weak signal	Strong signal

When the reception is completed the reception icon will stop blinking. The reception icon will show [|] for no reception or [≋] for successful reception.

Reception complete		
	No reception, or manually adjusted	Successful reception

For better reception of radio signals, place the clock away from metal objects and electrical appliances to minimize interference.

To disable the auto-reception feature, hold down the [▲] and [▼] buttons simultaneously for two seconds. The Antenna Icon [|] will appear but it will not blink. The unit will NOT respond to radio signals.

To enable the feature again, hold down the buttons again. The Antenna Icon [→⫯←] signal will start blinking to initiate reception automatically.

Note: Interference from sources such as TV sets can affect the signal. If, after batteries have been inserted for ten minutes, the DCF-77 signal is not received, then set the time manually (see below, How To Set The Calendar Clock Manually).

TIME DISPLAY MODES

When the calendar is displayed, press **CLOCK** once to toggle between hour, minute, second mode or the hour, minute, day-of-the-week mode.

When the alarm-time is displayed, pressing **CLOCK** once will display the calendar instead. Then use the button again to toggle the time modes.

hour, minute, and day-of-the-week mode

hour, minute, and second mode

CALENDAR AND ALARM TIME DISPLAY

The calendar and the alarm-time share the same section of the display.

The calendar is displayed in a day-month format.

When the calendar is displayed, press **ALARM** once to change the display to the alarm-time. Press **ALARM** again to activate the alarm. The ALARM ON icon is displayed when the alarm is active.

To display the calendar, press **CLOCK** once.

calendar mode

alarm mode

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HOW TO SET THE CALENDAR CLOCK MANUALLY

When the calendar is displayed, press **CLOCK** for two seconds. The month digits will start to blink.

Enter the month using the [▲] and [▼] buttons. Hold down either button to rapidly increase or decrease the value.

Press **CLOCK** to confirm and proceed to set the day. Again, once the day is set press **CLOCK** to proceed to the language display.

Days of the week can be indicated as an abbrevistion in five different language, (E) for English, (D) for German, (F) for French, (I) for Italian, (S) for Spanish.

To choose a language use the ▲ or ▼ button.

Language	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
English	E	Mo	Tu	WE	TH	Fr	SA	Su
Dutch	Ti	Mo	Di	Mi	Do	Fr	SA	So
French	F	Lu	MA	ME	JE	VE	SA	Di
Italian	I	Lu	MA	ME	Gi	VE	SA	Do
Spanish	S	Lu	MA	Mi	Ju	Vi	SA	Do

Press **CLOCK** to proceed to the hour and minute functions.

TO SET AND ACTIVATE THE ALARM

The CALENDAR mode and the ALARM mode share the same section of the display.

When in CALENDAR mode, press **ALARM** button to enter ALARM mode, the alarm time is displayed.

To set the alarm-time, press and hold **ALARM** for two seconds, the alarm time will flash.

Enter the value for the hour digits. To confirm, press **ALARM** and proceed to the minute digits. Again, press **ALARM** to confirm. Now, the alarm should be activated.

To deactivate the alarm, press **ALARM** once.

ALARM AND SNOOZE FUNCTION

When the alarm function is active, the unit will alarm at the set time.

Resulting from the crescendo function, the alarm initially starts gently and increases in intensity in three stages. Without interruption, the alarm will activate for one minute.

To stop the alarm, press any key. However, if the **SNOOZE** button is pressed, the **SNOOZE** function will be triggered. The alarm will stop for eight minutes before activates again.

INDOOR TEMPERATURE

The JM828WF displays temperature in Centigrade (°C), and is capable of measuring temperatures within the -5°C and +50°C range. If the temperature goes above or below these levels, the display will show "-5°C" or "+50°C".

HOW TO READ THE PRESSURE TREND

The JM828WF gives a pressure trend for the last hour. As illustrated below, a rising trend (arrow) indicates improving weather. Deteriorating weather conditions are indicated with a falling trend (arrow).

Arrow Indicator	PRESSURE	PRESSURE	PRESSURE
Pressure Trend	Rising	Steady	Falling

WEATHER FORECAST FUNCTION

The JM828WF detects barometric pressure changes and displays the illustrated weather symbols that indicate weather forecasts for 12 to 24 hours. The radius of the forecast is approximately 30 - 50 km.

Indicator displays on the unit	☼			
Forecast	Sunny	Slightly Cloudy	Cloudy	Rainy

Important:

1. The accuracy of weather forecasting, when only using pressure trends, is approximately 70 to 75 percent.

2. The weather forecast symbols may not reflect current weather condition. The symbols are forecasting the future.

3. A 'SUNNY' forecast covering the nighttime reflects fine clear weather.

HOW TO RESET THE UNIT

Press **RESET** to return all settings to the factory values, which are 1-1 (1st of January) for date, 12:00 for time and 06:00 for the alarm, which will be deactivated.

The button is required only when the unit is not operating in a favorable way, such as in the rare case of a malfunction.

HOW TO WALL MOUNT OR TABLE STAND

Flip the table stand open to place the unit on a steady, flat surface. To wall mount the device, use the recessed hole on the back.
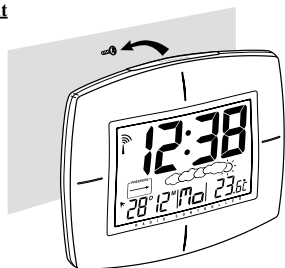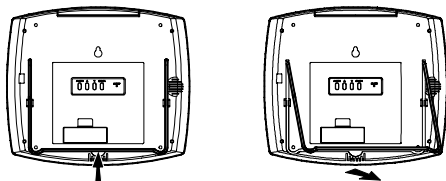
Wall-mount

Table Stand

MAINTENANCE

When handled properly, this unit is engineered to give you years of satisfactory service. Here are a few product care instructions:

1. Do not immerse the unit in water. If the unit comes in contact with a liquid, dry it immediately with a soft lint-free cloth.

2. Do not clean the unit with abrasive or corrosive materials. Abrasive cleaning agents may scratch the plastic parts and corrode the electronic circuit.

3. Do not subject the unit to excessive force, shock, dust, temperature, or humidity. Such treatment may result in malfunction, a shorter electronic life span, damaged batteries, or distorted parts.

4. Do not tamper with the unit's internal components. Doing so will terminate the unit's warranty and may cause damage. The unit contains no user-serviceable parts.

5. Only use new batteries as specified in this instruction manual. Do not mix new and old batteries as the old batteries may leak.

6. Read this instruction manual thoroughly before operating the unit.

SPECIFICATIONS

Operating Temperature : -5°C to 50°C

Clock Functions

Radio Control	: Auto synchronize current time and date by Radio signal generated from Germany DCF77 (Model JM828WF) or Rugby MSF60 (model JM828WFU)
Calendar	: Day of week in English/German/ French/Italian/Spanish, Date/Month
Clock Time	: 24-hour format for Europe / 12-hour format for UK
Alarm Duration	: 1-minute crescendo
Snooze	: 8 minutes
Accuracy	: +/- 0.5 second/day

Temperature Measurement

Indoor measurement   : -5°C to 50°C

General specification

Battery Type	: 4 piece of UM4 or "AAA" size 1.5V battery
LCD Dimension	: viewing area - 155 x 107 mm
Unit Dimension	: 247 x 214 x 36 mm (H x W x T)
Unit Weight	: Approx. 660 g (not include battery)

CAUTION

— The content of this manual is subject to change without further notice.

— Due to printing limitation, the displays shown in this manual may differ from the actual display.

— The manufacturer and its suppliers held no responsibility to you or any other person for any damage expenses, lost profits, or any other claim arise by using this product.

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EC-DECLARATION OF CONFORMITY

This product complies with the essential requirements of Article 3 of the R&TTE 1999 / 5 / EC Directive, if used as intended and the following standards have been applied:

Safety of information technology equipment

(Article 3.1.a of the R&TTE Directive)

Applied Standard **EN 60950-1 : 2001**

Electromagnetic compatibility

(Article 3.1.b of the R&TTE Directive)

Applied Standards

ETSI EN 301 489-1-3 (Ver.1.4.1) : 2002-08

Additional information:

The product herewith complies with the requirements of the Low Voltage Directive 73 / 23 / EC, the EMC Directive 89 / 336 / EC and carries the CE marking accordingly.

Carmelo Cubito

Agrate Brianza (MI) / Italy January 2004

Manufacturer's EU R&TTE Representative

CE

COUNTRIES RTTE APPROVAL COMPLIED

All EC countries, Switzerland CH

and Norway N

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