Radio-controlled weather station

.Intended use

Thisradio-controlled weather station displays the indoor and outdoor temperature,indoor and outdoor humidity ,and barometric pressure. It features a radio-controlled clock and several alarm functions. The probable weather trend is calculated based on data collected.This product is not intended for commercial us

Features:

1. Time,date,month
2. Indoor temperature and humidity
3. outdoor temperature
4. Day of the week in 8 languages
   (English,Italian,French,German,Dutch,Spanish,Danish,Russian)
5. Double alarm
6. Snooze function
7. Blue backlight
8. 12/24 hour selectable
9. Year range:2000~2099
10. C/F selectable
11. Radio controlled clock with DCF
12. Lower power indicator
13. Air pressure
14. Air pressure barchart
15. Sun rise and sunset time
16. Mo0n rise and moon set time
17. Comfort level display
18. Time zone

Technical Data

Base station:

Temperature measurement rang: 0℃ to 50℃

Humidity measurement rang: 20% to 95%

Barometric pressure : 900hPa to 1050hPa

Batteries: 3x LR03, 1.5V ▬▬▬   (size AAA)

Humidity accury:+/- 8%

Temperature accuracy: +/- 1.5 C at 0-+39C

Temperature accuracy: +/-2 C at 40C-50c

Sensor

Temperature measurement range: -20℃ to 60℃

Humidity measurement range: 20% to 95%

Data transmission frequency : 433.91MHz

Batteries: 2XLR03,1.5V▬▬▬ (SIZE AAA)

Range about 60M in open air

Temperature accuracy: +/- 1.5 C at 10-+40C

Temperature accuracy: +/-2 C at 40C-60C, -20C~10C

Battery operation
1.Open the battery cover at the back of the base station insert3 XAAA batteries
2.When changing batteries first remove the old batteries.Insert the new batteries,type LR03,in the battery compartment.check the polarity of the battery during the insertion.this is indicated in the battery compartment.
3.Close the battery cover.

Starting the base station
After insert batteries, The display will briefly light up and run a brief check of all display elements.

1. The weather icon will flash,you can press **-/MAX/MIN/-** or**+/AIR PRESSURE** to adjust, press **HISTORY/WEATHER** to confirm
2. The outdoor temperature field will show an animation of reception symbol ,indicating the base station is searching for the signal from the outdoor sensor.
2.If no outdoor temperature is displayed after 3 minutes,the base station will stop searching,the animation of the reception symbol will turn off and the outdoor temperature field will show--.-℃
3.Most likely ,the signal cannot be received due to structural factors,reinforced concrete walls,the brick work being too solid or the distance between the units.After finding the better location for the outdoor sensor ,reception will need to be restarted.
4.3minutes later ,then the weather station will automatically start receiving the DCF radio signal ,regardless if signal from the outdoor sensor was received or not.The clockwill show

an animated radio tower icon ,indicating the receiver for the DCF signal is start to received the time.

5.If the signal is detected the clock displaywill show the current central European time,date and day of the week.A static radio tower signal appears.
6.If the attempts of receive a signal fail the base station will stop attempting to receive a signal after10 minutes and the radio tower signal will disappear.

7.You may reactivate reception by press and holding the **-/MAX/MIN**button for three seconds until an radio tower signal in the clock displaybecomes animated.you also have the option to set the time manually.

8. HOLD **+/AIR PRESSURE**and**-/MAX/MIN** to exit RCC function. Then display on the

LCD.   HOLD **+/AIR PRESSURE**and**-/MAX/MIN** again to turn on RCC.

Time setting:

1. Hold the **MODE** button for 3second enter into time setting

2.The setting item will flash

3. The sequence:

C/F selection-→mb/hPA selection-→12/24 hour-→Time zone-→hour-→minute

-→second -→Year→Month-→Date -→language -→country -→city

4.Press **-/MAX/MIN/-** or**+/AIR PRESSURE**to adjust the setting item

Location table

Germany	GER	Nizza	NIC	Portugal	POR
Aachen	AAC	Orléans	ORL	Èvora	EVO
Berlin	BER	Paris	PAR	Coimbra	COI
Düsseldorf	DUS	Perpignan	PER	Faro	FAR
Dresden	DRE	Lille	LIL	Leiria	LEI
Erfurt	ERF	Rouen	ROU	Lissabon	LIS
Frankfurt	FRA	Strasbourg	STR	Porto	POR
Flensburg	FLE	Toulouse	TOU	Poland	POL
Freiburg	FRE	Finland	FIN	Danzig	GDA
Hannover	HAN	Helsinki	HEL	Krakau	KRA
Bremen	BRE	Great Britain	GB	Posen	POZ
Hamburg	HAM	Aberdeen	ABD	Stettin	SZC
Rostock	ROS	Belfast	BEL	Warschau	WAR
Stralsund	STR	Birmingham	BIR	Russia	RUS
Köln	KOE	Bristol	BRI	St. Petersburg	PET
Kiel	KIE	Edinburgh	EDI	Sweden	SWE
Kassel	KAS	Glasgow	GLA	Göteborg	GOT
Leipzig	LEI	London	LON	Stockholm	STO
München	MUE	Manchester	MAN	Slovakia	SLK
Magdeburg	MAG	Plymouth	PLY	Bratislava	BRA
Nürnberg	NUE	Hungary	HUN	Slovenia	SLO
Regensburg	REG	Budapest	BUD	Ljubljana	LJU
Stuttgart	STU	Croatia	CRO	Serbia	SRB
Saarbrücken	SAA	Zagreb	ZAG	Belgrad	BER
Schwerin	SCH	Italy	ITA	Austria	AUS

Denmark	**DAN**	Ancona	ANC	Graz	GRA
Aalborg	ALB	Bari	BAI	Innsbruck	INN
Aarhus	ARH	Bologna	BOL	Linz	LIN
Kopenhagen	COP	Cagliari	CAG	Salzburg	SAL
Odense	ODE	Catania	CAT	Wien	VIE
Spain/ Andorra	**ESP**	Florenz	FIR	**Belgium**	**BEL**
Alicante	ALI	Foggia	FOG	Antwerpen	ANT
Andorra	AND	Genua	GEN	Brügge	BRU
Badajoz	BAD	Lecce	LEC	Brüssel	BRL
Barcelona	BAR	Messina	MES	Charleroi	CHA
Bilbao	BIL	Mailand	MIL	Lüttich	LIE
Cádiz	CAD	Neapel	NAP	**Switzerland/ Liechtenstein**	**SWI**

Còrdoba	COR	Palermo	PAL	Basel	BAS
Ibiza	IBI	Parma	PAR	Bern	BER
La Coruña	LAC	Perugia	PER	Chur	CHU
León	LEO	Rom	ROM	Genf	GEN
Las Palmas	LPA	Turin	TOR	Locarno	LOC
Madrid	MAD	Triest	TRI	Luzern	LUC
Málaga	MAL	Venedig	VEN	St. Moritz	MOR
Palma de Mallorca	PDM	Verona	VER	St. Gallen	GAL
Salamanca	SAL	Ventimiglia	VTG	Sitten	SIO
Sevilla	SEV	**Ireland**	**IRL**	Vaduz	VAD
Valencia	VAL	Dublin	DUB	Zürich	ZUE
Zaragossa	ZAR	**Luxemburg**	**LUX**	**Czech Republic**	**CZR**
France	**FRA**	**Norway**	**NOR**	Prag	PRA
Besançon	BES	Bergen	BER	**Greece**	**GR**
Biarritz	BIA	Oslo	OSL	Athen	AT
Bordeaux	BOR	Stavanger	STA	**Cyprus**	**CY**
Brest	BRE	**Netherlands**	**NET**	Nikosia	NI
Cherbourg	CHE	Amsterdam	AMS	**Romania**	**RO**
Lyon	LYO	Eindhoven	EIN	Bukarest	BU
Marseille	MAR	Enschede	ENS	**Bulgaria**	**BG**
Monaco	MON	Groningen	GRO	Sofia	SO
Metz	MET	Den Haag	DHA		
Nantes	NAN	Rotterdam	ROT		

Alarm Setting

Press **MODE** to select alarm 1 or alarm 2. The corresponding alarm symbols will appear.

When display alarm 1 or alarm 2, press and hold MODE button to enter into setting mode. The hours will blink on the display. Set the hours by pressing **+/AIR PRESSURE**

or**-/MAX/MIN**and confirm your setting by pressing MODE button. Set the minutes in the same way.

Alarm on/off

➢ Alarm 1 on/ off

At standard displaying mode, press MODE to switch to alarm 1 display mode. Then you

will see ⏰ icon flash and alarm on/off status on the second dispay area. Press **+/AIR**

PRESSUREor**-/MAX/MIN**to turn on/off alarm 1. When it is set to be on, after exit, alarm 1

⏰ will be display on the LCD.

➢ Alarm 2 on/ off

At standard displaying mode, press MODE to switch to alarm 2 display mode. Then you

will see ⏰ icon flashes and alarm on/off status on the second dispay area. Press **+/AIR**

PRESSUREor**-/MAX/MIN**to turn on/off alarm 2. When it is set to be on, after exit, alarm 2

⏰ will be display on the LCD.

Relative/absolute air pressure
At normal display mode, press **+/AIR PRESSURE**to swtich bewtween relative air pressure and absolute air pressure

Temperature unit ℃ **and** ℉ **selection**

Hold MODE 2 seconds, the ℃ flashes, press **+/AIR PRESSURE**or**-/MAX/MIN** to

select ℃ or ℉.

Activating reception from the outdoor sensor
The outdoor sensor will transmit a signal about twice a minute,which is automatically received by the base station. However,you may also manually activate reception of the signal.To do so,press and hold the **CHANNEL** button for three seconds until the channel symbol 📶 flashes.Following successful reception the animation of the symbol will disappear and the transmitted temperature and humidity will appear in the display.

Sunrise/sunset/moonrise/moonset time:

After setting your country and city, the weather station will calculate the approximate
Times for Sunrise/sunset/moonrise/moonset.
That is approximate time,   differences can also result from your local terrain and weather.
Press**SUN/MOON** button to check number of hours of sunlight for current day,
If you want to check other location or other date sunrise and sunset
Press and hold **SUN/MOON** to set,the country will blink,press **+/AIR**

PRESSUREor**-**/**MAX/MIN**to adjust the setting item, Press **SUN/MOON** to confirm. Set the

City,year,month,date in the same way

Moon phase

Your weather station is equipped with a moon phase display. The 8 phases of the
moon are:

◑	New Moon	◯	Full Moon
◑	Waxing Crescent	◯	Waning Gibbous
◐	First Quarter	◐	Third Quarter
◯	Waxing Gibbous	◑	Waning Crescent

Weather forecast icons:

	Sunny		Downpour

	Slightly cloudy		Rain

	Cloudy		Heavy snowfall

			Snow
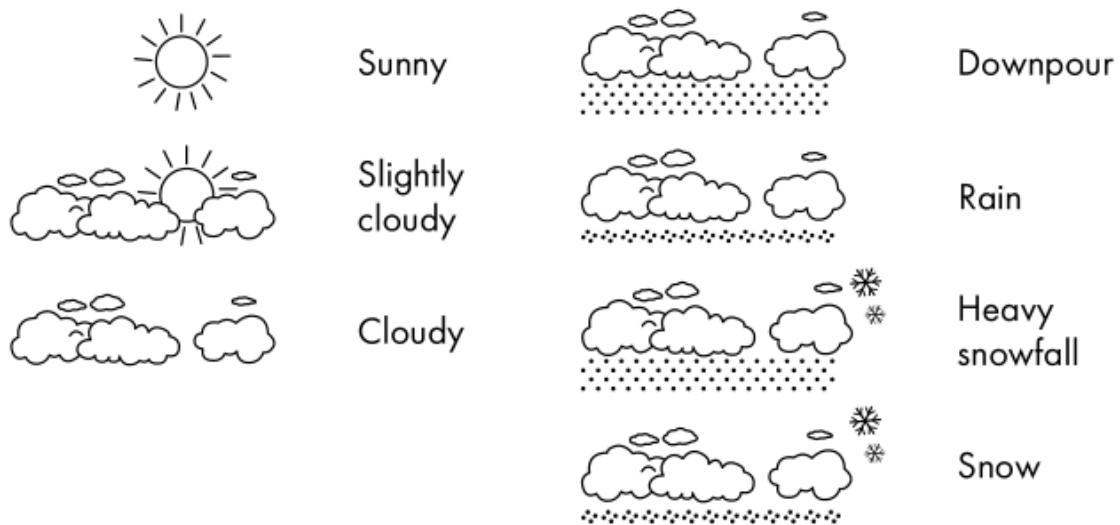
Indoor humidity

The confort icon can show 3 levels:

	< 40 % DRY	40 – 60 % COMFORT	> 60 % HUMID
< 20 °C	☹	/	☹
20 – 26°C	☹	☺	☹
> 26 °C	☹	/	☹

Troubleshooting

The device contains delicate electronic components. Thus radio transmitting equipment in the immediate vicinity may interfere with the appliance. If the display shows interference, move such objects away from the weather station.

Electrostatic discharges can lead to malfunctions.

In cases of the appliance failing to work,remove the batteries for a short while and the replace them.

Obstacles.e.g.concrete walls,may make the reception susceptible to interference.In this event change the location. The specified rang is the open area range,meaning there should be no obstructions between the outdoor sensor and the base ."Visual contact" between the outdoor sensor and base will often improve transmission.

Cold(outdoor temperature below 0℃) may also negatively impact battery performance of the outdoor sensor, this wireless transmission.

Another factor which may interfere which reception is drained or weak batteries in the outdoor sensor. Replace these with fresh batteries.

If the weather station is not working properly, briefly remove and reinsert the batteries.

Disposal

Batteries: batteries are hazardous waste. All consumers are required by law to dispose of batteries properly at the designated collections points. Suitable containers are provided for the proper disposal of batteries in industries which use batteries and at community collection points.

Weather station clock: If you wish to dispose of your weather station clock or adaptor, you must comply with the applicable regulations. Products that are designated with the symbol below must not be disposed of as normal household waste. Details are provided by your local council.

Packaging: the packing of the weather station clock must be disposed of according to the applicable regulations. Details are provided by your local council.

Federal Communications Commission (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.

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 connected.
●Consult the dealer or an experienced radio/TV technician for help.

Warning: Changes or modifications made to this device not expressly approved by Digi-Max Technology Limited may void the FCC authorization to operate this device.
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's authority to operate the equipment.