



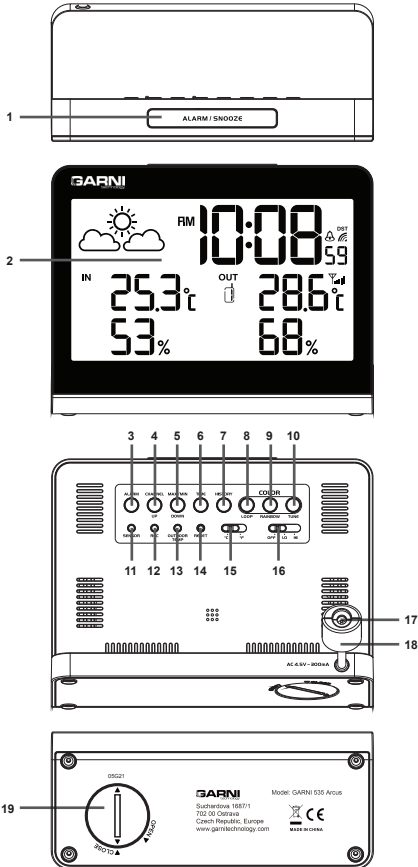
**RADIO CONTROLLED CLOCK WITH
TEMPERATURE AND HUMIDITY**
Model: GARNI 535 Arcus
USER MANUAL



Thank you for purchasing this delicate radio controlled clock with temperature and humidity. Utmost care has gone into the design and manufacture of the clock. This manual is used for DCF and MSF version. Please read the instructions carefully according to the version you purchased and keep the manual well for future reference.

MAIN FEATURES

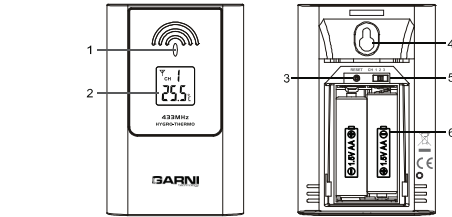
WEATHER STATION



- [ALARM / SNOOZE]** key
 - Press it to stop the current alarm and enter into snooze mode.
 - Hold it for 2 seconds to turn off the alarm function.
- LCD** display
- [ALARM]** key

- In normal time display, press it to enter the alarm mode.
 - In alarm time mode, press it to turn on/off the alarm function.
 - Press it to stop the current alarm when the bell is ringing and turn off the alarm and snooze function.
 - In alarm time mode, press and hold it for 2 seconds to enter alarm time setting.
- [CHANNEL/UP]** key
 - In setting mode, press it to increase the setting values.
 - In normal time mode, press it to switch among Channel 1, 2 and 3.
 - [MAX/MIN/DOWN]** key
 - In setting mode, press it to decrease the setting values.
 - Press it to check the minimum and maximum temperature and humidity records.
 - [TIME]** key
 - Press and hold it for 2 seconds to enter normal time setting.
 - [HISTORY]** key
 - Press it to check the temperature and humidity records.
 - [LOOP]** key
 - Press [**LOOP**] key and the backlight color will change automatically; Press it again, the backlight color will stop the change.
 - [RAINBOW]** key
 - Turn off the LOOP function and press [**RAINBOW**] key , the backlight will change its colour in this sequence: white> red>orange>yellow>green>cyan>blue>purple.
 - [TUNE]** key
 - Turn off the LOOP function and press [**TUNE**] key , the backlight will display 256 colours.
 - [SENSOR]** key
 - Press it to receive the data from the transmitter.
 - [RCC]** key
 - Press it to receive the RC signal for reception testing.
 - [OUTDOOR TEMP]** key
 - Turn on the function, the backlight color will change automatically according to the temperature.
 - [RESET]** key
 - Press it to reset all values to default values.
 - In case of malfunction, the unit may be required to reset.
 - [°C/°F]** slide switch
 - Press it to switch between Celsius and Fahrenheit.
 - [OFF / LO / HI]** slide switch
 - Slide it to turn on/off the backlight function.
 - AC** jack
 - Temperature and humidity sensor
 - Battery door
 - Accommodates lithium battery CR2032 for back-up.

TRANSMITTER GARNI 125H



- LED** indicator
 - Flashes when the remote unit transmits a reading.
- LCD** display
 - Display of the channel , temperature and humidity.
- [RESET]** key
 - Press it to restart the transmitter.
- Wall mounting holder
 - Use it to support the transmitter on the wall.
- [CHANNEL]** slide switch
 - Assign the transmitter to Channel 1, 2 or 3.
- Battery compartment
 - Accommodates 2 x AA size batteries.

BEFORE USING THE TRANSMITTER

- Remove the battery door.
- Insert 2 x AA size batteries into the battery compartment. Make sure you insert them the right way according to the polarity information marked on the battery compartment.
- Replace the battery door.

NOTE:

- Once the channel is assigned to one transmitter, you can only change it by removing the batteries or resetting the unit.
- Avoid placing the transmitter in direct sunlight, rain or snow.

WEATHER STATION

- Plug the adaptor into the AC jack.
- Press [**RESET**] key to re-start the clock and it will synchronize the channels of transmitter automatically.

NOTE:

- The building material and the position of the receiver and transmitter affect the effective range. So try various locations to obtain the best result.
- Place the units away from metal objects and electrical appliances to minimize the interference. Position the receiver and transmitter within the effective transmission range: 30m in usual circumstances.

RECEPTION OF RADIO CONTROLLED TIME SIGNAL

The time and date are radio-controlled. The current time and date are automatically synchronized with the time signal transmitted from Europe. When used for the first time (after inserting the batteries or pressing [**RESET**] key), the clock will start to receive the RC signal in 5 minutes with

the signal strength indicator fashing.

SIGNAL STRENGTH INDICATOR

The signal indicator displays signal strength in 4 levels. Wave segment fashing means time signals are being received. The signal quality could be classified into four types:



NOTE:

- Everyday the unit will automatically search for the time signal at 2:00am , 8:00am, 2:00pm and 8:00pm.
- Always place the unit away from interfering sources such as TV set, computer, etc.
- Avoid placing the unit on or next to metal plate.
- Closed area such as airport, basement, tower block or factory is not recommended.
- Do not start reception on a moving article such as vehicle or train.

MANUAL TIME SETTING

If you are out of the reach of the Radio Controlled Transmitter or if the reception is not reachable, the time can be set manually. As soon as the transmitter is received again, the clock will automatically synchronize with received time.

- In normal time mode, press and hold [**TIME**] key for 2 seconds , " 12H " or " 24H " digit fashes.
- Press [**UP**] or [**DOWN**] key to set the hour format.
- Press [**TIME**] key again to complete the setting in this sequence: 12/24hr → Hour → Minute → Second → ±3 hour offset → DST AUTO/OFF.
- Press [**TIME**] key to save and exit the setting or let it exit automatically 30 seconds later without pressing any key.

ALARM AND SNOOZE SETTING

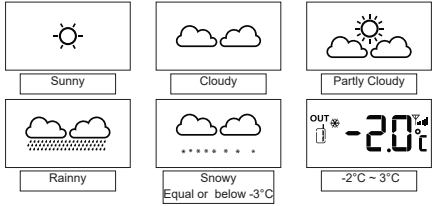
- Press [**ALARM**] key to enter the alarm time mode . Press it again and the alarm icon " ⚠ " will be displayed.
- Press and hold [**ALARM**] key for 2 seconds and the hour digit fashes.
- Press [**UP**] or [**DOWN**] key to set the desired value.
- Repeat the step 2 and step 3 to set the minute .
- Press [**ALARM**] key to save and exit the setting.

NOTE:

- If no key is pressed during the alarm period, the alarm will turn off automatically. Alarm beeping lasts for 2 minutes.
- Press [**ALARM / SNOOZE**] button to stop the current alarm and enter snooze. Alarm icon will be fashing continuously. The alarm will sound again in 5 minutes. Snooze can be operated continuously in 24 hours.
- Press [**ALARM**] button or hold [**ALARM / SNOOZE**] button to turn off alarm function.

WEATHER FORECAST FUNCTION

The indoor console contains a built-in sensitive pressure sensor to predict the weather forecast for the next 12-24 hours.



NOTE:

If there is any inconsistency of weather forecast between any local weather station and this unit, the local weather station's forecast should prevail. The manufacturer is not responsible for any errors due to incorrect forecasting resulting from this unit.

COLOUR CHANGE DISPLAY

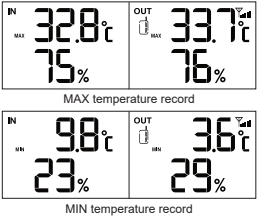
- Press [**LOOP**] key and the backlight color will change automatically; Press it again, the backlight color will stop the change.
- Turn off the loop function and press [**RAINBOW**] key , the backlight will change its colour in this sequence: white → red → orange → yellow → green → cyan → blue → purple.
- Turn off the loop function and press [**TUNE**] key, the backlight will display 256 colours.
- Press [**OUTDOOR TEMP**] key and the backlight color changes its color according to the changes of outdoor temperature transmitted from the main unit. It has 17 backlight colors to display different temperature ranges.

Color No.	Celsius Start	Celsius End	Color		
			R	G	B
1		≤-20.0°C	0	0	255
2	-19.9°C	-11.0°C	0	102	255
3	-10.9°C	-5.0°C	51	204	255
4	-4.9°C	-2.0°C	0	255	255
5	-1.9°C	1.0°C	255	255	255
6	1.1°C	4.0°C	153	255	51

7	4.1°C	8.0°C	0	255	0
8	8.1°C	12.0°C	255	255	0
9	12.1°C	16.0°C	255	179	0
10	16.1°C	20.0°C	255	128	0
11	20.1°C	24.0°C	255	102	0
12	24.1°C	28.0°C	255	51	0
13	28.1°C	32.0°C	255	0	0
14	32.1°C	36.0°C	255	128	128
15	36.1°C	40.0°C	255	204	204
16	40.1°C	45.0°C	204	0	255
17		≥45.1°C	230	230	230

CHECKING AND DELETING MAX/MIN TEMPERATURE RECORDS

- Press [**MAX/MIN**] key once to check the maximum temperature and humidity records. Press it twice to check the minimum records. Press it again to exit.
- Press and hold [**MAX/MIN**] key for 3 seconds to delete the maximum and minimum temperature and humidity records, with "beep" tone.



VIEWING THE CHANNEL

The default channel is Channel 1. In normal time mode, press [**CHANNEL/UP**] key to view the channels from 1 to 3. Besides, the channels can automatically switch by pressing and holding [**CHANNEL/UP**] key for 2 seconds, with "beep" tone.

LOW BATTERY INDICATOR

If the low battery indicator " ⚡ " displays in the outdoor temperature window, it indicates that the battery power of the transmitter is not enough, and you should replace with 2 x AA size batteries at once.



Transmitter's low battery indicator

NOTE:

- If the battery power of the transmitter is not enough, insert 2x AA size batteries and press [**RESET**] key of transmitter and [**SENSOR**] key of the main unit so that it can receive the time and temperature automatically.
- Attention! Please dispose of used unit or batteries in an ecologically safe manner.

SPECIFICATION

MAIN UNIT

Operating temperature range:	-5°C~50°C	23° F~122°F
Resolution:	0.1°C/°F (above -10°C/14°F)	1°C/°F (below -10°C/14°F)
Operating humidity range:	10%~99%	
Radio controlled signal:	DCF / MSF version	

REMOTE SENSOR GARNI 125H

Operating temperature range:	-20°C~60°C	-4°F~140°F
Resolution:	0.1°C/°F (above -10°C/14°F)	1°C/°F (below -10°C/14°F)
RF transmission frequency:	433MHz	
Max RF power:	7 dBm (5 mW)	
No. of remote sensor:	up to 3 units maximum	
RF transmission range:	30 meters around	
Temperature sensing cycle:	60-64 seconds	

POWER

Main unit:	AC adapter 4.5V, 300 mA lithium battery CR2032 for back-up
Remote sensor:	3V, use 2 x AA 1.5V(alkaline battery recommended)

DIMENSION

Main unit:	139(W) x 109(H) x 59.5(D) mm
Remote sensor:	65(W) x 100(H) x 35(D) mm

DECLARATION OF CONFORMITY

Company GARNI technology a.s. declares that the type of radio device - the weather station model GARNI 535 Arcus - complies with Directive 2014/53 / EU. The full text of the EU Declaration of Conformity is available on the following website: www.garni-meteo.cz

Instruction translated, edited and processed: **GARNI** technology a.s.
Copying this manual or its parts is forbidden without the author's permission

www.garnitechnology.com
www.garnitechnology.cz
www.garni-meteo.cz

