MANUAL FOR DIGITAL ALARM CLOCK WITH PROJECTION MODEL **GARNI 140**

GARNI® technology

GARNI 140

SYMBOLS

This symbol is followed by an important notice, this symbol is followed by a note

For safe use, always follow the instructions in this documentation

PACKAGE CONTENTS

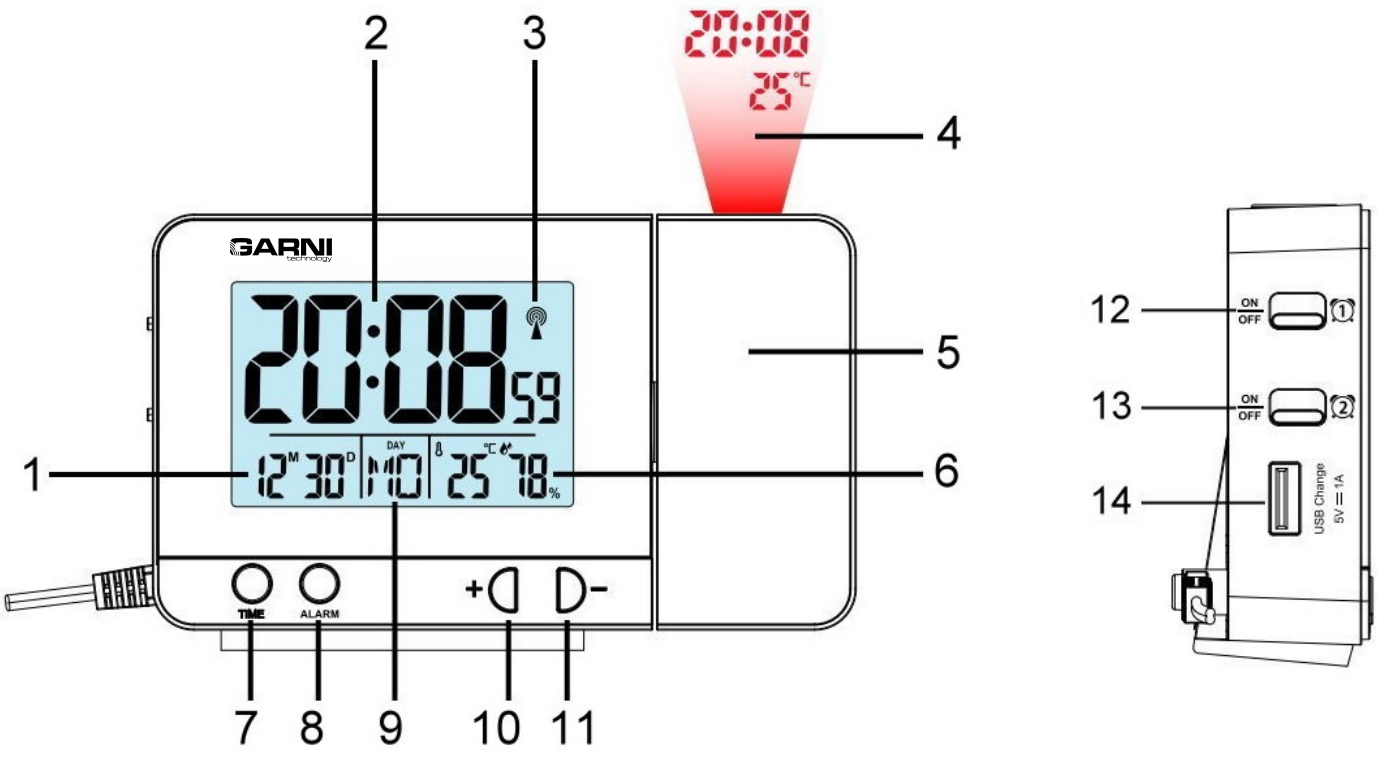
Digital alarm clock
AC adaptor
Manual

DESCRIPTION

- LCD display
- permanent display backlight option when on battery power, 3 brightness levels and option to turn backlight off
- option to turn on display backlight for 8 seconds when on battery power
- measurement of indoor temperature (°C, or °F) and relative humidity
- time and date controlled by DCF-77 radio signal with manual setting option
- 12- or 24-hour time display format
- timezone settable from -12 to +12 hours
- 2 alarm clocks
- repeated 5-minute snooze function
- projection of time and indoor temperature
- the projected image can be rotated by 180°
- option to turn off the projection
- USB port for charging mobile devices
- main unit powered by the AC adaptor or batteries

Description

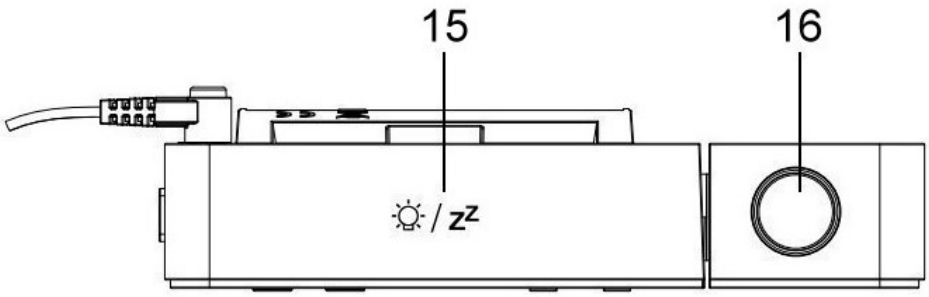
Front and side view



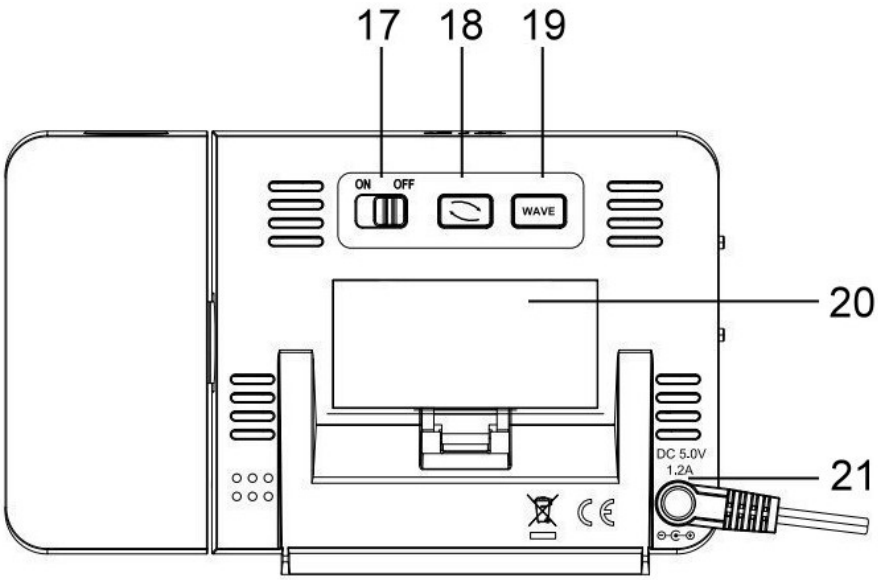
1) Date / wake-up time 1
2) Time
3) DCF-77 signal reception icon
4) Projection
5) Projector tube
6) Temperature, relative humidity / wake-up time 2
7) **TIME** button
8) **ALARM** button
9) Day name abbreviation
10) Button **+**
11) Button **-**
12) Alarm 1 switch
13) Alarm 2 switch
14) Power USB port

Top and rear view

15) Touch button ☼ / zz
16) Projector



17) **Projection ON OFF** button
18) Button ⇄
19) Button **WAVE**
20) Battery compartment cover
21) Power supply socket



COMMISSIONING

The alarm clock can be powered by the AC adaptor or batteries. Use only the delivered AC adaptor.

Battery installation
1) Remove the battery compartment cover on the rear side of the alarm clock.
2) Insert 2 pcs AAA batteries (micro) – observe the correct battery polarity.
3) Close the battery compartment.

Connecting the AC adaptor
1) Connect the AC adaptor plug into the socket on the rear side of the main unit.
2) Connect the other side of the AC adaptor to a mains socket.

Time controlled by the DCF-77 radio signal

The weather station is equipped with the DCF-77 time/date control signal receiver, the signal is broadcasted by a transmitter from Frankfurt am Main, Germany, with a range of about 1500 km. When outside this range, the time and date can be adjusted manually. The time and date are adjusted every day.

After the power supply is connected, the display shows all segments for 3 seconds and a beep sounds. Then the reception for the DCF-77 radio signal for adjusting the time and date commences, which is indicated by a flashing icon ((•)) on the display. This process may take several minutes. The display

backlight will be off for the duration of the DCF-77 signal reception, and the alarm clock functionality will be also limited. Only the pushbutton ☼ / zz and the **WAVE** button on the rear side of the clock will function.
As soon as the signal is received successfully, the display shows the current time, date and signal reception icon The weather station will automatically receive the DCF-77 signal to adjust the time every day at 1:00. If reception is unsuccessful (the icon will not appear on the display), reception will be attempted again in another hour, five times in total. The received time is compared with the time on the main unit and adjusted if necessary. For better signal reception, place the main unit near a window. As soon as the DCF-77 signal is received successfully, the icon will be displayed.

Note:
The received DCF-77 time adjustment signal strength may be affected by the geographical location or the premises where the weather station is located.
For better reception, the main unit should be placed on a flat non-metallic surface, near a window on the upper floor of your house away from electrical appliances such as a TV, computer, etc.

Manual reception of the DCF-77 signal

To start the DCF-77 signal manually, press and hold the **WAVE** button on the rear side of the clock for 2 seconds. To terminate the DCF-77 signal reception, press the **WAVE** button.

Manual setting of time and date

If the DCF-77 signal reception is not successful and the time and date are not adjusted, the adjustment can be made manually.

To enter the setting mode, press and hold the **TIME** button for 2 seconds. For setting, use the **+**, or **−** buttons. Confirm the setting by a single push of the **TIME** button, this will move to the next setting.

Setting order:

Set time format 12 or 24 hours (12H / 24H) ⟶ set timezone from -12 to +12 hours (for the Czech and Slovak republic leave 00) ⟶ set current hour ⟶ set current minute ⟶ set date display order day-month (D-M), or month-day(M-D) ⟶ set current year ⟶ set current month ⟶ set current day ⟶ set the language of the day name abbreviation

The setting mode is terminated by the last confirmation.

Note: *If no button is pressed for 20 seconds, the setting mode will be terminated.*

Day name abbreviations

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
GE - German	MO	DI	MI	DO	FR	SA	SO
EN - English	MO	TU	WE	TH	FR	SA	SU
FR - French	LU	MA	ME	JE	VE	SA	DI
IT - Italian	LU	MA	ME	GI	VE	SA	DO
SP - Spanish	LU	MA	MI	JU	VI	SA	DO
DU - Dutch	MA	DI	WO	DO	VR	ZA	ZO
DA - Danish	MA	TI	ON	TO	FR	LO	SO

SETTING WAKE-UP TIME AND SNOOZE FUNCTION

Push the **ALARM** button once to display wake-up time of alarm 1 ① and alarm 2 ②

1) Press the **ALARM** button and hold for 2 seconds. The wake-up times of alarm 1 ① and 2 ② will be displayed and the alarm 1 wake-up hour will flash. Use the **+**, or **−** buttons to set the required wake-up hour and confirm with the **ALARM** button.

2) The wake-up minute will flash. Use the **+**, or **−** buttons to set the required wake-up minute and confirm with the **ALARM** button.
3) The wake-up hour of the alarm 2 will flash. Use the **+**, or **−** buttons to set the required wake-up hour and confirm with the **ALARM** button.
4) The wake-up minute will flash. Use the **+**, or **−** buttons to set the required wake-up minute. Confirm the setting and finish the setting by pushing the **ALARM** button.

Note: *If no button is pressed for 20 seconds, the setting mode will be terminated.*

Activating and deactivating the alarm clock

To activate or deactivate alarm 1 slide the switch ① **ON/OFF** on the side to the ON position (activated) or OFF (deactivated). Alarm 1 is activated if the icon ① is displayed.

To activate or deactivate alarm 2 slide the switch ② **ON/OFF** on the rear to the ON position (activated) or OFF (deactivated). Alarm 2 is activated if the icon ② is displayed.

Snooze function

To deactivate the snooze function, push any button except ☼ / zz.

To activate the SNOOZE function, push the ☼ / zz button while the alarm is active, icons ①, or ② will flash and the alarm will be postponed for 5 minutes, and then reactivated. This process may be repeated.

If no button is pressed, the alarm with deactivate automatically after 2 minutes. The wake-up alarm will be repeated after 24 hours at the set time.

PROJECTION

The weather station has a projection of time and indoor temperature. The ideal distance of the projection surface is 1.5 to 3 meters in an unlit room.
The projector tube can be tilted by 90° back and 90° forward.

When the main unit is powered by batteries only, the projection and the backlight will be on for 8 seconds using the touch button ☼ / zz on the top of the main unit. When powered with the AC adaptor the projection will be permanent. The projection can be activated (ON) or deactivated (OUT) using the **Projection** switch on the rear of the main unit.

To rotate the projected image by 180°, push the ⟲ button

Projection is off while receiving the DCF-77 signal for time and date adjustment.

DISPLAY BACKLIGHT

When the alarm clock is powered by batteries only, the projection and the backlight will be on for 8 seconds using the touch button ☼ / zz on the top of the main unit. When powered by the AC adaptor, the backlight can be on permanently or turned off. Push the ☼ / zz button repeatedly to select the backlight brightness in 3 levels, or to turn the display backlight off.
The display backlight is off while receiving the DCF-77 signal for time and date adjustment.

CHARGING MOBILE DEVICES

The alarm clock has USB port for charging mobile devices. You can only charge your mobile device when the alarm clock is powered by the AC adaptor.
The charging commences automatically when the mobile device is connected. Monitor the charging process and disconnect the cable from the USB port when the mobile device is charged.

Notice: The USB port can only supply a charging current of 1,000 mA.

SAFETY PRECAUTIONS

- Do not expose the device to excessive force, shocks, dust, temperature and humidity
- Do not cover the ventilation holes with any objects like newspapers, curtains, etc.
- Never immerse the device in water. If you spill liquid on it, dry it immediately with a soft, lint-free cloth
- Do not clean the device with abrasive or corrosive substances
- Do not handle the internal components of the device, as this will void your warranty
- Use only fresh batteries. Never mix fresh and old batteries
- Do not recharge the batteries. Place the station and its parts outside the reach of children
- Do not throw old batteries to unsorted municipal waste, but use the designated areas
- Dispose of this product in accordance with applicable regulations
- Use only accessories specified by the manufacturer
- Do not interfere with the internal circuits of the device, as this may void the warranty
- The technical specifications are subject to change without notice

TECHNICAL PARAMETERS

Power supply:	AC adaptor 100-240 V, 50/60Hz, 0,3 A / 5V, 1,2 A 2 pcs of 1,5 V AAA batteries (micro)
Temperature measurement range:	-9°C to +50°C
Accuracy of measurement:	+/- 1°C
Resolution:	1°C
Rel. humidity measurement range:	20% to 95%
Accuracy of measurement:	+/- 5%
Resolution:	1%
Dimensions	136 x 84 x 32 mm

GARNI technology a.s. hereby declares that the Digital alarm clock model GARNI 140 meets all basic requirements of the applicable EU Directives. The full EU Declaration of Conformity is available on the following website: www.garni-meteo.cz

The manual was prepared for GARNI technology a.s. by Roman Gajda.

Version 03G20