

RADDY

WF-55C PRO



Features:

- ▶ Perpetual Calendar Up to Year 2099
- ▶ Day of week in 15 languages user selectable: English, German, French, Spanish, Italian, Dutch, Danish, Portuguese, Norwegian, Swedish, Polish, Finnish, Czech, Hungarian, and Russian
- ▶ Time in optional 12/24 hour format.
- ▶ Daily Alarm Function
- ▶ Automatic snooze function

Temperature:

- Indoor temperature measurement ranges: -9.9°C (15°F) to 50°C (122°F)
 - Outdoor temperature measurement ranges: -40°C (-40°F) to 70°C (158°F)
 - Temperature alternatively in °C or °F.
 - ▶ Humidity: Indoor & Outdoor measurable range: 20%RH ~ 95%RH
 - ▶ Minimum/maximum display for air humidity and temperature
 - ▶ Indoor and outdoor temperature and humidity upper and lower limit alert and frost warning
 - ▶ Indoor and outdoor three-level display mold risk
 - ▶ Wireless Outdoor Sensor:
 - Wall Mount or Table Stand
 - 433.92MHz RF transmitting frequency
 - 60 meters transmission range in an open area
 - Up to 3 wireless outdoor sensors can be connected.
- (One Wireless outdoor Sensor Included)

► The weather forecasting function

► Power Supply:

Weather Station:

Battery: 2 x LR03 AAA

DC-POWER: DC5V (Input current is greater than 200mA , TYPE-C interface)

Wireless Remote Sensor:

Battery: 2 x LR6 AA

F.Y.I.:

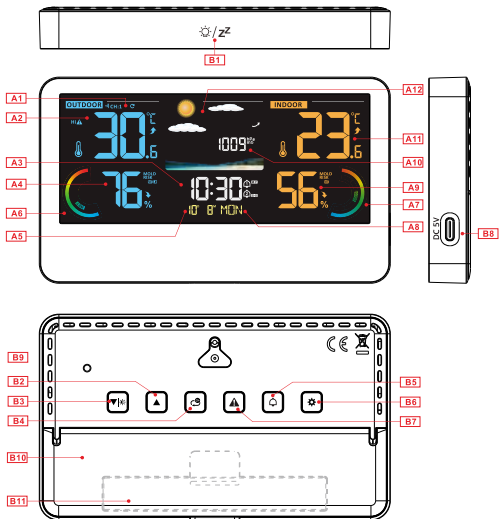
The wireless remote sensor can work at -30°C to +70°C.

Please choose the right battery according to the limit temperature of the wireless sensor:

Alkaline zinc manganese battery can work at -20°C to +60°C

Polymer lithium ion rechargeable battery can work at -40°C to +70°C.

Weather Station Appearance



Part A-Positive LCD

A1: Outdoor remote wireless channel and receiving icon

A2: Outdoor Remote Temperature

A3: TIME

A4: Outdoor Remote Humidity

A5: Calendar

A6: Outdoor comfort diagram

A7: Indoor comfort diagram

A8: WEEK

A9: Indoor Humidity

A10: Atmospheric Pressure

A11: Indoor Temperature

A12: Weather Forecasting

Part B – Back button and power

B1: “ / ZZ” touch field

B2: “” button

B3: “ | ” button

B4: “” button

B5: “” button

B6: “” button

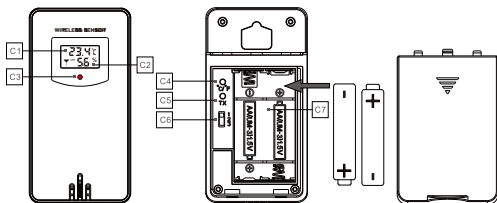
B7: “” button

B8: Power supply socket –TYPE-C

B9: Hanging hole

B10: Support frame

B11: Battery compartment



Part C –Wireless Remote Sensor:

C1: LCD display – Temperature

C2: LCD display – Humidity

C3: Transmit signal LED

C4: “°C/°F” button

C5: “TX” button

C6: “CHANNEL 1 or 2 or 3” switch

C7: Battery compartment

Initial operation:

- ▶ According to the appearance of the Weather Station, the power adapter is inserted from the B8 position, and the power supply of the power adapter is also noted.
- ▶ Open Weather Station battery compartment cover, open Weather Station battery compartment cover, insert 2 x AA batteries observing polarity [“+” and “-” marks]
- ▶ After the weather station is connected to the power supply according to the above two steps, all the icons on the LCD display will light up for 3 seconds, you will hear the buzzer, and check the indoor temperature and humidity.
- ▶ The Weather Station will now start to make a connection to the outdoor remote sensor. This operation takes about 3 minutes and is displayed by a flashing reception RF antenna symbol in the “**OUTDOOR**” display area on the receiver.
- ▶ This now, open Wireless Outdoor Sensor battery compartment cover, according to the channel to be set, the channel of the sensor is set through the shift switch of the C6 position of the sensor, and Insert 2 x AAA batteries observing polarity [“+” and “-” marks]
- ▶ When the wireless sensor is loaded into the battery, all the icon on the LCD display will briefly light up for 3 seconds, and detect the temperature and humidity of the sensor, At the same time, LED lights flicker once, the wireless sensors automatically transmit wireless

signals.

► When the Wireless Sensor is launched, the Weather Station alarm automatically receives its signal, and the “**OUTDOOR**” column displays the temperature and humidity values.

F.Y.I.:

► The Weather Stations can receive up to 3 channels of wireless sensors.

► The conventional wireless sensor displayed by the weather station is channel 1. If the wireless sensor is set to channel 2 or 3, you need to press the “” button on the right side of the weather station to switch to channel 2 or 3, and then check whether the temperature and humidity are correct to confirm whether the signal is successfully received.

Manual time setting:

► Press and hold down the “” button more than 2 seconds to enter the time and general settings, First set the unit of temperature in “°C” or “°F”, Now use the “▲” and “▼” button to set the temperature of the unit, the unit of temperature can be set to “°C” or “°F”.

► Press “” to confirm your setting, switch to pressure unit setting. Now use the “▲” and “▼” button to set the pressure of the unit, the unit of t pressure can be set to “hPa” or “inHg”

► Press “” to confirm your setting, switch to the

12/24 hour mode display setting. Now use “▲” and “▼” buttons to set the time displayed in 12-hour or 24-hour format

▶ Press “” to confirm your setting, switch to the hour setting. Now use “▲” and “▼” buttons to set the correct hour.

▶ Press “” to confirm your setting, switch to the minute setting. Now use “▲” and “▼” buttons to set the correct minute.

▶ Press “” button to confirm your setting, switch to the Month and Date display setting. Now use “▲” and “▼” buttons to set the date display on Month/Date or Date/Month.

▶ Press “” button to confirm your setting, switch to the year setting. Now use “▲” and “▼” buttons to set the correct year.

▶ Press “” button to confirm your setting, switch to the month setting. Now use “▲” and “▼” buttons to set the correct month.

▶ Press “” button to confirm your setting, switch to the date setting. Now use “▲” and “▼” buttons to set the correct date.

▶ Press “” button to confirm your setting, switch to the language selection for the week and month displays setting. Now use “▲” and “▼” buttons to select a language.

Note: There are 15 languages of Weekday: English,

German, French, Italian, Spanish, Portuguese, Dutch,
Danish, Norwegian, Swedish, Polish, Finnish, Czech,
Hungarian, and Russian
Week language display

Language	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
ENGLISH	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
ENG	MON	TUE	WED	THU	FRI	SAT	SUN
GERMAN	MONTAG	DIENSTAG	MITTWOCH	DONNERSTAG	FREITAG	SAMSTAG	SONNTAG
GER	MON	DIE	MIT	DON	FRE	SAM	SON
FRENCH	LUNDI	MARDI	MERCREDI	JEUDI	VENDREDI	SAMEDI	DIMANCHE
FRE	LUN	MAR	MER	JEU	VEN	SAM	DIM
ITALIAN	LUNEDI	MARTEDI	MERCOLEDI	GIOVEDI	VENERDI	SABATO	DOMENICA
ITA	LUN	MAR	MER	GIO	VEN	SAB	DOM
SPANISH	LUNES	MARTES	MIERCOLES	JUEVES	VIERNES	SABADO	DOMINGO
SPA	LUN	MAR	MIE	JUE	VIE	SAB	DOM
PORTUGUESE	SEGUNDA-FEIRA	TERÇA	QUARTA-FEIRA	QUINTA-FEIRA	SEXTA-FEIRA	SABADO	DOMINGO
POR	SEG	TER	QUA	QUI	SEX	SAB	DOM
DUTCH	MAANDAG	DINSDAG	WOENSDAG	DONDERDAG	VRIJDAG	ZATERDAG	ZONDAG
DUT	MAA	DIN	WOE	DON	VRI	ZAT	ZON
DANISH	MANDAG	TIRSDAG	ONSDAG	TORS DAG	FREDAG	LØRDAG	SØNDAG
DAN	MAN	TIR	ONS	TOR	FRE	LOR	SON
NORWEGIAN	MANDAG	TIRSDAG	ONSDAG	TORS DAG	FREDAG	LØRDAG	SØNDAG
NOR	MAN	TIR	ONS	TOR	FRE	LOR	SON
SWEDISH	MÅNDAG	TISDAG	ONSDAG	TORS DAG	FREDAG	LÖRDAG	SÖNDAG
SWE	MAN	TIS	ONS	TOR	FRE	LOR	SON
POLISH	PONIEDZIAŁEK	WTÓREK	ŚRODA	CZWARTEK	PIĄTEK	SOBOTA	NIEDZIELA
POL	PON	WTO	SRO	CZW	PIA	SOB	NIE
FINNISH	MAANANTAI	TIISTAI	KESKIVIIKKO	TORSTAI	PERJANTAI	LAUANTAI	SUNNUNTAI
FIN	MAN	TII	KIS	TOR	PER	LAU	SUN
CZECH	PONDĚLÍ	ÚTERÝ	STŘEDA	ČTVRTEK	PÁTEK	SOBOTA	NEDĚLE
CZE	PON	UTE	STR	CTV	PAT	SOB	NED
HUNGARIAN	HÉTFŐ	KEDD	SZERDA	CSÜTÖRTÖK	PÉNTEK	SZOMBAT	VASÁRNAP
HUN	HET	KED	SZE	CSU	PEN	SZO	VAS
RUSSIAN PERIOD	ПОНЕДЕЛЬНИК	ВТОРНИК	СРЕДА	ЧЕТВЕРГ	ПЯТНИЦА	СУББОТА	ВОСКРЕСЕНЬЕ
RUS	ПОН	ВТО	СРЕ	ЧЕТ	ПЯТ	СУБ	ВОС

► Press “” button to confirm your setting, switch to barometric pressure calibration mode. Now use “” and “” buttons to set the atmospheric pressure

value.

► Press “” button to confirm your setting, switch to setting the initial weather. Now use “▲” and “▼” buttons to select the current weather

► Press “” to confirm your setting and to end the setting procedures, enter the clock mode.

► During the setting process, press and hold the “ / Z Z” button for more than 1 second to exit the setting mode immediately

F.Y.I.:

► After 20 seconds without pressing any button, the clock switches automatically from Set Mode to Normal Time Mode.

► In the set time, the number of minutes of the change, automatically from the zero second forward

► In the set time, you can press hold the “▲” and “▼” button to quickly change the setting of the value

► The forecast of the weather station is based on the analysis of changes in air pressure. The atmospheric pressure is provided by the factory and has been adjusted to absolute pressure. Since air pressure usually decreases as altitude increases, public meteorological agencies always publish so-called relative air pressure. In order to obtain a comparable value, the relative air pressure has been adjusted to the topography of the country. You can adjust the air pressure of the weather station to the ratio of its location. For this, you must

uniquely adjust the current air pressure of the weather station. Ask your local weather forecast service about the air pressure at sea level, or get the current value from the Internet. The above adjustment of the air pressure setting is based on this reason.

► When you use this weather station for the first time, the current local weather is not semi sunny, so you can adjust the initial weather of the weather station

Setting the daily alarms:

► Press and hold down “” button more than 2 seconds to enter the alarm setting mode, first enter the alarm 1 hour setting. Use the “▲” and “▼” buttons to set the required hour.

► Press “” button to confirm your setting, switch to the alarm 1 Minute setting. Use the “▲” and “▼” buttons to set the required minute.

► Press “” button to confirm your setting, switch to the alarm 1 repeat setting. Use the “▲” and “▼” buttons to set the alarm repeat in “M-F” or “S-S” or “M-F” and “S-S”.

► Press “” button to confirm your setting, switch to the alarm 1 snooze time setting. Use the “▲” and “▼” buttons to set the minute of snooze you need.

► Press “” button to confirm your setting, switch to the alarm 2 hour setting. Use the “▲” and “▼” buttons to set the required hour.

- ▶ Press “” button to confirm your setting, switch to the alarm 2 minute setting. Use the “▲” and “▼” buttons to set the required minute.
- ▶ Press “” button to confirm your setting, switch to the alarm 1 repeat setting. Use the “▲” and “▼” buttons to set the alarm repeat in “M-F” or “S-S” or “M-F” and “S-S”.
- ▶ Press “” button to confirm your setting, switch to the alarm 1 snooze time setting. Use the “▲” and “▼” buttons to set the minute of snooze you need.
- ▶ Press “” button to confirm your setting and to end the setting procedure.
- ▶ During the setting process, press and hold the “ / ZZ” button for more than 1 second to exit the setting mode immediately

F.Y.I.:

- ▶ After 20 seconds without pressing any button the clock switches automatically from setting mode to Normal clock mode.
- ▶ The alarm is repeatedly set to M-F, the alarm function will be activated from Monday to Friday, the Saturday and Sunday will be invalid. The alarm is repeatedly set to S-S, and the alarm function will be activated on Saturday and Sunday, and will expire from Monday to Friday. When the alarm is repeatedly set to display both M-F and S-S, the alarm function will be activated throughout the week.

▶ the snooze time setting range: 5 ~ 60MIN, OFF, when set to OFF, means no snooze function. Snooze time unit is minutes.

The alarm for opening and closing

▶ Press “” button can switch the display in sequence at ALARM1 time \ ALARM2 time

▶ When switching display in ALARM1 time mode, press the “▲” button to turn the alarm1 on or off. The alarm 1 turn on, the “” is displayed, the alarm 1 function is open, the repeat of alarm icon at the same time is also displayed.

▶ When switching display in ALARM2 time mode, press the “▲” button to turn the alarm2 on or off. The alarm 2 turn on, the “” is displayed, the alarm 2 function is open, the repeat of alarm icon at the same time is also displayed.

▶ The alarm 1 or alarm 2 turn off, the “” or “” icon disappears, the alarm 1 or alarm 2 function is close.

Switching off the alarm signal

▶ Press any button except the “ / ZZ” button to stop the alarm signal. It is not necessary to reactivate the alarm. It switches itself automatically to the alarm time which has already been set.

F.Y.I.:

▶ The alarm will sound for 2 minutes if you do not

deactivate it by pressing any button. In this case the alarm will be repeated automatically after 24 hours.

► Rising alarm sound (crescendo, duration: 2 minutes) changes the volume 4 times whilst the alarm signal is heard.

Snooze function:

► When the time is up to the alarm, press the “ / **ZZ**” button, the alarm signal stops, and enter the SNOOZE mode. After the snooze time is counted, the alarm will ring again.

► In snooze mode, press any buttons except the “ / **ZZ**” button or touch the “ / **ZZ**” icon position and hold for more than 2 seconds to exit the snooze mode.

F.Y.I.:

When the snooze function is set to OFF, when the time is up to the alarm, touch the “ / **ZZ**” icon position does not have this snooze function.

Temperature & Humidity detection:

► Indoor temperature measuring range: -9.9°C (+14°F) ~ +50°C (+122°F), **LL.L** °C(°F) will displayed if value lower than -9.9°C (+14°F), **HH.H** °C(°F) will displayed if value higher than +50°C (+122°F).

► Outdoor temperature measuring range: 40°C (-40°F) ~ +70°C (+158°F), **LL.L** °C(°F) will displayed if value lower

than -40°C (-40°F), **HH.H** °C(°F) will displayed if value higher than +70°C (+158°F).

► Indoor and outdoor humidity measuring range: 20%RH ~ 95%RH, **19%RH** will displayed if value lower than 20%RH, **96%RH** will displayed if value higher than 95%RH.

Wireless sensor transmission:

► When the Weather Station successfully receives signals from the Wireless Sensor, the temperature and humidity of the outdoor are displayed on the “**OUTDOOR**” column of the weather station.

► The Weather station can connect up to 3 channel wireless sensor registration, the use of multiple wireless sensor, the wireless sensor channel cannot choose the same channel at the same time (a total of 1, 2, 3 channel can choose)

► Press the “” button can switch the display of different channels of outdoor temperature and humidity, when displaying the symbol “”, will display the channel every 5 seconds automatically switch a channel

► If the Weather Station failed to receive transmission from outdoor sensor (“--” display on the LCD), press and hold “” button for 3 seconds to receive transmission manually. the “**OUTDOOR**” will show an animation of the RF antenna symbol , the Weather

Station will receive the wireless signal of the outdoor sensor.

F.Y.I.:

▶ *when the wireless sensor set up different channels, the weather station "OUTDOOR" also want to switch to the same channel. When there is no wireless sensor signal transmission on the channel, "--" will be displayed in the channel of the weather station*

Displaying temperature/humidity and temperature/humidity trend

▶ The current indoor temperature/humidity/barometric pressure and the temperature/humidity trend (indoors) are shown in the LCD display.

▶ After successfully connecting with the remote sensor, the weather station can display the remote temperature/humidity and the temperature/humidity trend (remote)

▶ You may see the following displays:

 : The temperature/humidity is rising.

NO DISPLAY: The temperature/humidity is remaining constant.

 : The temperature/humidity is falling.

Maximum/Minimum Temperature/Relative Humidity

► To toggle indoor/outdoor maximum, minimum temperature and humidity data, press the “▲” button: Once to show the maximum temperature and humidity values.

Twice to show the minimum temperature and humidity values

Three times to return to the current temperature and humidity levels

► To reset the maximum and minimum temperature and humidity, press and hold down the “▲” button about 2 seconds. This will reset all minimum and maximum data recorded to the current displayed values.

F.Y.I.:

► *If the temperature reading is below ranges, the **LL.L** will be displayed. If the temperature reading is above ranges, the **HH.H** will be displayed.*

► *If the humidity reading is below ranges, the **19%RH** will be displayed. If the humidity reading is above ranges, the **96%RH** will be displayed.*

Comfort and mildew risk instructions

► Comfort level is calculated according to the humidity, a total of 5 levels.

► The moldy risk display reads the indoor humidity to determine moldy risk level. The weather station will display one of 4 indicators: HI (high) ME (medium) LO (low) and no risk (no arrow displayed).

Comfort level		Humidity range
	TOO DRY	<35%
	DRY	35%~44%
	COMFORT	45%~65%

	WET	66%~80%
	TOO WET	>80%

Temperature and Humidity alerts setting

► In the normal display, press the “” button to switch to the temperature and humidity alert item viewing mode, and then press the “” button to switch to view the next item, in order:

1. In temperature upper limit alarm
2. In temperature lower limit alarm,
3. In humidity upper limit alarm,
4. In humidity lower limit alarm,
5. Out temperature upper limit alarm
6. Out temperature lower limit alarm,

7. Out humidity upper limit alarm,

8. Out humidity lower limit alarm,

▶ In out alert item viewing mode, press the “” button to switch to a different channel, in the order of items: CH1, CH2, CH3, and can switch cyclically

▶ In this alert item viewing mode, the alert function of each item can be turned on or off by pressing the “-” button when the respective item is displayed, and the corresponding alarm symbol “HI” or “LO” is displayed when it is turned on.

▶ Press and hold down the “” button for more than 2 seconds to enter the temperature and humidity alert setting, the first is the upper limit alert setting of the in temperature. Use the “▲” and “▼” buttons to set the upper limit alert value

▶ Press the “” button to confirm and switch to the next item, set the lower limit of the in temperature alert, Use the “▲” and “▼” buttons to set the lower limit alert value

▶ Press the “” button to confirm and switch to the next item, set the upper limit of the in humidity alert, Use the “▲” and “▼” buttons to set the upper limit alert value

▶ Press the “” button to confirm and switch to the next item, set the lower limit of the in humidity alert, Use the “▲” and “▼” buttons to set the lower limit alert value

- ▶ Press the “” button to confirm and switch to the next item, set the upper limit of the out temperature alert, Use the “▲” and “▼” buttons to set the upper limit alert value
- ▶ Press the “” button to confirm and switch to the next item, set the lower limit of the out temperature alert, Use the “▲” and “▼” buttons to set the lower limit alert value
- ▶ Press the “” button to confirm and switch to the next item, set the upper limit of the out humidity alert, Use the “▲” and “▼” buttons to set the upper limit alert value
- ▶ Press the “” button to confirm and switch to the next item, set the lower limit of the out humidity alert, Use the “▲” and “▼” buttons to set the lower limit alert value
- ▶ Press “” button to confirm your settings and end the setup process.
- ▶ When setting the upper and lower limit alerts for temperature and humidity, press the “” button to switch the alert settings for setting the upper and lower temperature and humidity limits of different channels.
- ▶ During the setting process, press and hold the “ / ZZ” button for more than 1 second to exit the setting mode immediately

F.Y.I.:

- ▶ After 20 seconds without pressing any button, the

weather station switches automatically from Set Mode to Normal Time Mode.

Temperature and humidity upper and lower limit and frost warning

- ▶ When the upper limit or lower limit alarm of the corresponding channel is turned on, and the actual value of its temperature or humidity exceeds the set upper limit or lower limit limit, the corresponding upper limit symbol “HI ” or lower limit symbol “LO ” and the corresponding display data will flash. At the same time, the product emits an alarm sound.
- ▶ In this alert mode, press any button to stop the alarm sound, and the warning is still displayed.
- ▶ When the temperature of the corresponding remote wireless channel is within the range of - 1°C (+30°F) to +3°C (+37°F), a frost warning will be triggered, and the frost symbol “” will be displayed on the corresponding channel and flash

Low battery:

- ▶ If the “INDOOR” column is display the battery icon “”, you need to replace the weather station's battery as soon as possible,
- ▶ If the “OUTDOOR” column is to display the battery icon “”, you need to replace the wireless sensor battery of your channel as soon as possible based on

the channel display.

The weather forecast:

► The weather station calculates a weather forecast for about the next 12 hours based on the barometric pressure trend. Of course this forecast can't compare to that of professional weather services supported by satellites and high performance computers, It provides only an approximate indication of the current weather development in a small local area. Please take the weather forecast from your local weather forecasting service into account as well as the forecast from your weather station. If there are discrepancies between the information from your device and from the local weather forecasting service, please take the advice of the latter as authoritative.

► The weather station displays the following weather icon:

sunny	
slightly cloudy	
cloudy	

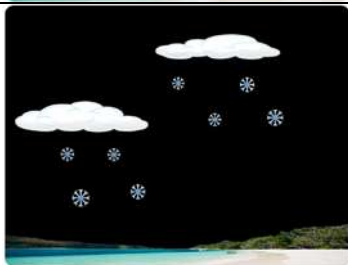
rainy



Heavy rainy



Snowy



F.Y.I.:

- ▶ The Snowy icon will only appear if the outdoor temperature is below -4°C ($+25^{\circ}\text{F}$) and the forecast would be rainy or stormy. By default, according to the temperature of CH1, when there is no signal in CH1, it is calculated according to the temperature of CH2. When there is no signal in CH1 and CH2, it is calculated according to the temperature of CH3.
- ▶ After the weather station needs 7-10 days of air pressure calibration, the weather forecast will tend to be stable with an accuracy rate of 70%-75%.
- ▶ The forecast can be given for a radius of up to 12-20km.
- ▶ The weather station can display the barometric pressure trend.

Background lighting

- ▶ Press the “” button to adjust the brightness of the backlight, you can adjust the 5 state: 4 different brightness backlight and close the backlight. When the backlight brightness is not at the highest brightness, Press the “ / ZZ” button. Backlight turns to highest brightness of 15 seconds.

Note: If only the battery is used for power supply, it is recommended that the backlight be turned off. If you need to watch the display, press the “ / ZZ” button to light it up for 15 seconds. Otherwise, the battery will

soon run out of power and the backlight will become darker and darker

► The weather station can also set the backlight to automatically dim at night. Press and hold the “ / ” field for more than 2 seconds to enter the night mode setting. First, turn the night function on or off. Now use “▲” and “▼” buttons set the night function to activate (ON) or close (OFF).

Note: If the night backlight function is set to OFF, pressing the “” button will automatically exit the setting mode, and there will be no switching to the next setting

► Press “” button to confirm your setting, switch to the brightness setting of the backlight change after entering the night. Now use “▲” and “▼” buttons set the brightness required for the backlight change after entering the night

► Press “” button to confirm your setting, switch to the hour of enter night mode setting. Now use “▲” and “▼” buttons set the required hour

► Press “” button to confirm your setting, switch to the minute of enter night mode setting. Now use “▲” and “▼” buttons set the required minute

► Press “” button to confirm your setting, switch to the hour of exit night mode setting. Now use “▲” and “▼” buttons set the required hour

► Press “” button to confirm your setting, switch to

the minute of exit night mode setting. Now use “▲” and “▼” buttons set the required minute

► Press “” button to confirm your setting and to end the setting procedure.

► During the setting process, press and hold the “ / ZZ” button for more than 1 second to exit the setting mode immediately

► When the night mode is on, the icon “” will be displayed. When the time reaches the time to enter the night mode, the backlight will automatically switch to the set night mode brightness, and when the time reaches the time to exit the night mode, the backlight will return to the original brightness

► In night mode, the backlight can be switched to the highest brightness for 15 seconds by Pressing the “ / ZZ” button.

► When the backlight is turned off, the night mode automatically fails