

## ENVIRONMENTAL PROTECTION



Do not dispose of this product with the normal household waste at the end of its life cycle. Return it to a collection point for the recycling of electrical and electronic devices. This is indicated by the symbol on the product, user manual or packaging.

The materials are reusable according to their markings. By reusing, recycling or other forms of utilization of old devices you make an important contribution to the protection of our environment.

Please contact your local authorities for details about collection points.



**CAUTION - INVISIBLE LASER RADIATION WHEN OPENING THE COVER OR PRESSING THE SAFETY INTERLOCK. AVOID EXPOSURE TO THE LASER BEAM.**

	<b>WARNING</b> Risk of electric shock Do not open!	
Caution: To reduce the risk of electric shock, do not remove the cover (or back). There are no user serviceable parts inside. Refer servicing to qualified service personnel.		



This symbol indicates the presence of dangerous voltage inside the enclosure, sufficient enough to cause electric shock.



This symbol indicates the presence of important operating and maintenance instructions for the device.

### **Safety, Environmental and Setup Instructions**

- Use the device in dry indoor environments only.
- Protect the device from humidity.
- Do not open the device. **RISK OF ELECTRIC SHOCK!** Refer opening and servicing to qualified personnel.
- Connect this device to a properly installed and earthed wall outlet only. Make sure the mains voltage corresponds with the specifications on the rating plate.
- Make sure the mains cable stays dry during operation. Do not pinch or damage the mains cable in any way.
- Disconnect device warning: Main plug is used as the connection, so it should always remain ready operate.
- The mains plug is used as the disconnect device, the disconnect device shall remain readily operable.
- A damaged mains cable or plug must immediately be replaced by an authorized service center.
- In case of lightning, immediately disconnect the device from the mains supply.
- Children should be supervised by parents when using the device.
- Clean the device with a dry cloth only.  
Do NOT use CLEANING AGENTS or ABRASIVE CLOTHS!
- Do not expose the device to direct sunlight or other heat sources.
- Install the device at a location with sufficient ventilation in order to prevent heat accumulation.
- Do not cover the ventilation openings!
- The ventilation should not be impeded by covering the ventilation openings with items, such as newspaper, table-cloths, curtains, etc.
- It shall be not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
- The unit should not be exposed to direct sunlight, very high or low temperature, moisture, vibrations or placed in dusty environment.
- Never attempt to insert wires, pins or other such objects into the vents or opening of the unit.
- Install the device at a safe and vibration-free location.
- No naked flame sources, such as lighted candles, should be placed on the apparatus.
- Install the device as far away as possible from computers and microwave units; otherwise radio reception may be disturbed.
- Do not open or repair the enclosure. It is not safe to do so and will void your warranty. Repairs only by authorized service/ customer center.
- The device is equipped with a "Class 1 Laser". Avoid exposure to the laser beam as this could cause eye injuries.
- Only use mercury and cadmium-free batteries.
- Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.
- Used batteries are hazardous waste and NOT to be disposed of with the household waste!!! Return the batteries to your dealer or to collection points in your community.
- Keep batteries away from children. Children might swallow batteries. Contact a physician immediately if a battery was swallowed.
- Check your batteries regularly to avoid battery leakage.



**Used batteries are hazardous waste and NOT to be disposed of with the household waste!** As a consumer you are **legally obligated** to return **all batteries** for environmentally responsible recycling – no matter whether or not the batteries contain harmful substances\*).

**Return batteries free of charge to public collection points in your community or to shops selling batteries of the respective kind.**

**Only return fully discharged batteries.**


\*) marked Cd = cadmium, Hg = mercury, Pb = lead

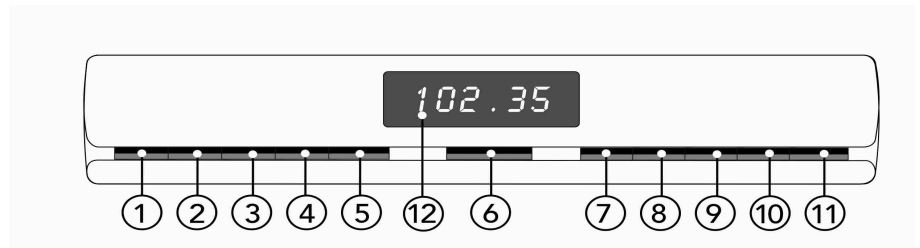
## General Description

- Power supply: AC/AC adapter
- FM Radio by PLL technology
- Automatically time update by RCC signal
- 12/24 Hour clock display
- Ascending Alarm--The buzzer sounds progressively loud in 4 levels
- Built in calendar with auto leap year handling within 2000-2099
- 4 mode dual alarms can be set to daily, weekday, week-end and daily independently
- Alarm output can be set to radio or buzzer.
- Automatically Off Timer (AOT) and Snooze function provided
- SDA(special date alert ) Function
- 10 user preset cooking Timer (1 minute to 23:59)
- 30 memories preset radio station
- Search Up/Down features are provided
- RCC Auto update time
- A.M.S.(automatic memory store) function provided
- Electronic Volume Control
- Bass enhance function
- LED back light with smooth dimmer work in 2 mode
- Key lock function to prevent accidental keying
- Radio frequency range:

Band	Freq. range	Freq./step
FM	87.5 – 108.0 MHz	100 KHz

### Control Panel

1. AMS / 
2. Down
3. Up
4. Preset -
5. Preset +
6. AOT | Snooze | Clock synchronization
7. Memory
8. Timer
9. Mode/Bass
10. Vol. -/ Alarm Set 1
11. Vol. +/Alarm Set 2
12. LCD Display

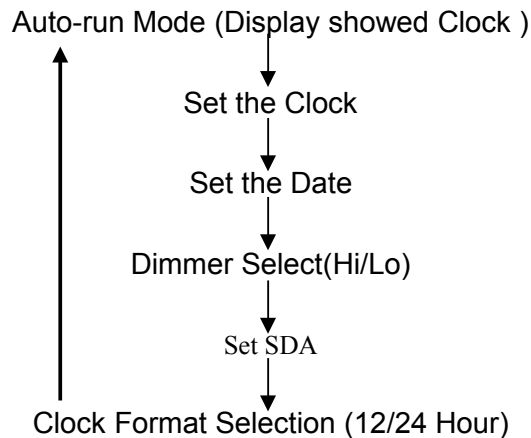


## 2. How to used

- As the unit is powered up, the date and clock are defaulted to Saturday, 1<sup>st</sup> Jan 2011, 0:00 or 12:00AM
- The two alarms are defaulted to 0:00 or 12:00AM, daily type but disabled
- The radio is switched off
- It then switches to auto-run mode
- When unit is powered up first time, RCC will be active automatically and volume grade icon flashing on LCD, When the signal has been received and decoded successfully ,the real time clock is updated and volume grade icon solid, press other key to start its corresponding function.

### 2.1 Auto-run Mode (Radio OFF)

- Press <Mode> once to set up different mode sequentially



- Press <Alarm-1> to review/set the alarm-1
- Press <Alarm-2> to review/set the alarm-2
- Only when the radio is ON, press <Preset +>, or <Preset -> to recall the preset memories.
- Only when the radio is ON, press <Memory>, <Preset +> or <Preset -> and then <Memory > again to store the current station into memory.
- Only when the radio is ON, press <Vol. +> and <Vol. -> to adjust speaker volume
- At every minute boundary, the real time clock is compared with the alarm setting if it has been enabled. For details, please refer to the section of 'When alarm is active'

**Note: The device will active RCC for synchronization in background for time update at the 1:01& 3:01& 5:01 everyday**

### 2.2 Set the clock

- Press <Mode> once when the unit stays in clock display mode
- The clock goes flashing the LCD
- The second keeps counting up once per second

- Press <Up> to advance the clock by 1 minute
- Press <Down> to move the clock back by 1 minute
- Press and hold <Up> or <Down> to set the clock in fast mode of 10 minutes per step
- Press <Mode> once to set the date.
- Press other key to start its corresponding function.
- When no key has been pressed for 10 seconds, the current setting is confirmed and it switches to auto-run mode

### 2.3 Set the date

- Press <Mode> once in date setting mode
- The current date goes flashing in the format of dd.mm.yyyy in the LCD
- Press <Up> or <Down> to change the current setting by 1 day per step. Press and hold <UP> or <Down> to change the setting in fast mode of 10 days per step.
- Press <Mode> once to confirm the current setting and it switches to select dimmer.
- Press other key to start its corresponding function.
- When no key has been pressed for 15 seconds, the current setting is confirmed and it switches to auto-run mode automatically.

### 2.4 Select the dimmer (Hi/Lo)

- Press <Mode> once in the Dimmer selecting mode
- The defaulted display show 'H'.
- Press <Down> or <Up> to switch dimmer Lo or Hi.
- Press <Mode> once to confirm the current setting and it switches to select time format.
- Press other key to start its corresponding function.
- When no key has been pressed for 15 seconds, the current setting is confirmed and it switches to auto-run mode automatically.
- When set to Dim mode, press any key will automatically brighter 10 seconds

### 2.5 Set up the SDA timer

- Press <Mode> once in the SDA set mode.
- The date & 'SDA' goes flashing alternative
- Press <Up> or <Down> to set the Special Date
- Press < AOT/Snooze > to ignore the year
- Press other key to start its corresponding function.
- When no key has been pressed for 15 seconds, the current setting is confirmed and it switches to auto-run mode automatically.

*In case of ignore the year the SDA will be active ever year at same date*

### 2.6 Select the clock format (12/24)

- Press <Mode> once in the 12/24 set mode.

- The defaulted display show '24' .
- Press <Down> or <Up> to switch 12 or 24
- Press <Mode> once to confirm the current setting and it switches to auto-run mode.
- Press other key to start its corresponding function.
- When no key has been pressed for 15 seconds, the current setting is confirmed and it switches to auto-run mode automatically, device will back to auto-run mode.

## 2.7 Set up Cooking Timer

- When device at the auto-run mode (turned off radio )
- Press <Timer> once to enter the timer mode.
- Press <Up> or <Down> to adjust the value (*from 1 minute to 23hours and 59minute*) or press <Preset +> or <Preset -> to recall the preset value, press <Timer> to start the cooking timer.
- When the timer is running press <Timer> to pause the timer. To restart the timer press <Timer> again.
- When the timer remain 30 seconds, the remind tone "be" will sound, (it also sound at 30s, 25s, 20s, 16s, 12s, 9s, 6s, 4s, 2s & 1s) the time reach to 00.00, the voice "be...be...be... be...be" will be heard. Press <Timer> to terminate the timer and leave.
- Press and hold <Timer> for 2 seconds to terminate the timer and leave, when the timer is running.

*As the alarm becomes active, the cooking timer, if exists, is terminated immediately.*

## 2.8 Timer Value Preset

- There are 10 preset Cooking timer
- When device at the auto-run mode (turned off radio )
- Press <Timer> once to enter the timer mode.
- Press <Memory> once, the 'T' goes flash. Press <Preset +> or <Preset -> to select, press <Memory> again to store the timer value.
- Press <Up> or <Down> to adjust the value (*from 1 minute to 23hours and 59minute*).
- Press the <Timer> to start the timer, press and hold <Timer> for 2 seconds to exit the timer mode.

## 2.9 ALARM1 and ALARM2 setting

- When device at the auto-run mode (turned off radio )
- Press <Alarm Set 1> or <Alarm Set 2> once, 'ALARM1' or 'ALARM2' goes solid in the alphanumeric section.
- The current setting of HH:MM and the type of alarm goes flashing by the corresponding day-flags.
- Press <Up> to advance the setting by 1 minute
- Press <Down> to move the setting back by 1 minute

- Press and hold <Up> or <Down> to change the setting in fast mode of 10 minutes per step
- Press <AOT/Snooze> to change the type of alarm between daily, weekday, weekend and daily independently, which are reflected by the 7 day-flags.
- Press and hold < AOT/Snooze > to enter daily independently mode. Press < AOT/Snooze > again to select the day and it will reflect by the day-flags. Press and hold < AOT/Snooze > to leave the daily independently mode and return select daily, weekday and weekend.
- Press same alarm key, which is <Alarm Set 1> or <Alarm Set 2>, once to select the output format of the alarm

Output format	LCD display
Beep sound	'Bell' symbol goes solid
Radio output	'Radio' symbol goes solid
Disable	All the 'Bell' and 'Radio' are cleared

- Press other key to start its corresponding function
- When no key has been pressed for 15 seconds, the system goes back to auto-run mode

### 2.10 When alarm is active

- When the real time clock matches with the alarm which has been enabled, alarm becomes active
- As the alarm becomes active, the Cooking timer, if exists, is terminated immediately
- If Beep sound alarm is selected,
- Sound of beep toggles at the Speaker
- Muted Radio even radio on
- The duration of alarm is 10 minutes
- If Radio alarm is selected,
- Radio on
- the duration of the alarm is 60 minutes
- Press <SNOOZE> once postpone the currently active alarm for 9 minutes. The alarm will be stopped and after 9 minutes will become active again .
- Press any key to terminate the currently active alarm ,even key-lock has been switched on .

### 2.11 When SDA is active

- When the date/month/(year) matches with the SDA which has been enable, alert becomes active.
- As the SDA active, Sound of beep toggles at the Speaker for 10 minutes, Muted Radio even radio ON & The "SDA" goes flash on LCD display
- The beep will sound ever hour for 10 minutes until 23:00
- Press any key to start its corresponding function and the SDA will be terminate

### 2.12 AOT Function

- Press <AOT> once to review the current sleep timer. The radio will turn ON, if the radio has not

been activated.

- Press <AOT> again the change the current setting down to the nearest multiple of 5 minutes within 120-5 min.
- Press <AOT> when the current setting is 5 min, 'OFF' goes solid which implies the sleep is cancel, and radio will be keep ON

### 2.13 Radio Power On/Off

- Press <On/Off> once, power on the radio and the station frequency show on LCD.
- Press <On/Off> again, power off the radio and return to Auto Run Mode.

### 2.14 Radio reception

- Press <On/Off> once, the station frequency show on LCD.
- Press <Up> once to change the receiving frequency up by 1 step.
- Press <Down> once to change the receiving frequency down by 1 step.
- Press and hold <Up> to search the next radio station by moving the receiving frequency up.
- Press and hold <Down> to search the next radio station by moving the receiving frequency down.

### 2.15 Recall radio preset memory

- There are 30 preset memory stations for the radio
- When the radio is ON, press <Preset +> or <Preset -> to select the memory. 'MEM' goes solid; the frequency of the memory goes solid in the LCD.
- When new preset memory is selected, MUTE is active. When keying the preset memory has been released for 1 second, the selection of preset memory is considered as valid and the radio will be tuned to that frequency immediately with MUTE idle.
- At any time, press other key to start its corresponding function.

### 2.16 Store into memory

- There are 30 preset memory stations for the radio
- Press <Memory> once, the 'MEM' goes flash. Press <Preset +> or <Preset -> to select the desired preset memory station, press <Memory> again to store the frequency.
- When new preset memory key is pressed, MUTE is active. When keying the preset memory has been released for 1 second, the selection of preset memory is considered as valid and the radio will be tuned to that frequency immediately with MUTE idle.
- At any time, press other key to start its corresponding function.

### 2.17 AMS Using

- When radio is On.
- Press and hold <AMS> for 2 seconds to active AMS mode.

- In this mode, the radio will automatically scan the radio station and store the station that had been scanned until scan up all the frequency or stored all the memory station, it will exit automatically.

### **2.18 RCC on/off**

- When device at the auto-run mode (turned off radio )
- Press and hold <Clock synchronization > to active RCC update time, volume grade icon flashing.
- Press and hold <Clock synchronization > again to exit the function and volume grade icon disappear.

### **2.19 Electronic Volume Control**

- When listening radio ,
- Press <VOL +> once, to increase speaker volume by one step. Hold for continually.
- Press <VOL -> once, to decrease speaker volume by one step. Hold for continually.

### **2.20 BASS**

- When listening radio ,
- Press and hold <Bass> to turn on or off the bass function.

### **2.21 Key-lock**

- Press and hold the <Memory> for 2 seconds, key-lock has been switched ON; the “KEY” goes solid.
- Press and hold the <Memory> again for 2 seconds to release the key-lock; the “KEY” will disappear.



ENGLISH

Hereby, Wörlein GmbH declares that this Bluetooth device is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

A copy of the Declaration of Conformity may be obtained at the following location:

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