

RADIO-CONTROLLED ALARM CLOCK WITH WORLD TIME

MODEL NO.: RM932/RM932U

USER'S MANUAL

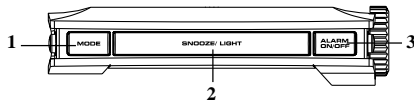
INTRODUCTION

Congratulations on purchasing the RM932/RM932U Radio-controlled Clock with World Time.

This Clock is a compact device for both home-users as well as travellers. The RM932 --- the Central Europe model --- is designed to automatically synchronize its current time and date when brought within an approximate 1500km radius of the radio signal generated from Frankfurt, Germany (DCF77). The RM932U --- the UK model --- will do the same when brought within range of the MSF-60 radio signal from Rugby, UK.

In addition to the local time and calendar display, the user can also select to display the corresponding time of 130 major world cities. This Clock also comes with favourable features including key-lock function, multilingual day-of-the-week display, EL back-light, hourly chime and dual alarm with 8-minute snooze function.

CONTROL BUTTONS: TOP PANEL



1. MODE BUTTON

- Press to change between the clock and calendar display modes
- Press and hold for 2 seconds to enter the clock and calendar setting mode

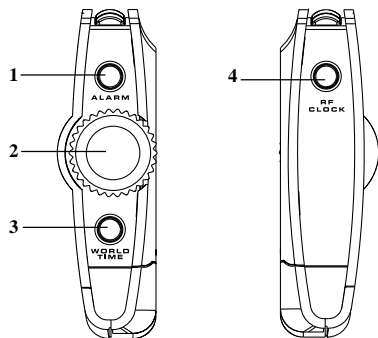
2. [SNOOZE/LIGHT] BUTTON

- Press to turn on the back-light for 5 seconds
- Press to activate the Snooze function when the alarm goes off
- Press and hold for 3 seconds to turn off the alarm when the alarm goes off

3. [ALARM ON/OFF] BUTTON

- Press to activate/deactivate the corresponding alarm in display

CONTROL BUTTONS:SIDE PANEL



1. [ALARM] BUTTON

- Press to toggle among the calendar, weekday alarm and single alarm modes
- Press and hold for 2 seconds to enter the setting modes of the corresponding alarm in display

2. ROTARY KNOB [UP] AND [DOWN] BUTTONS

- Scroll up or down to increase/ decrease the value of a setting

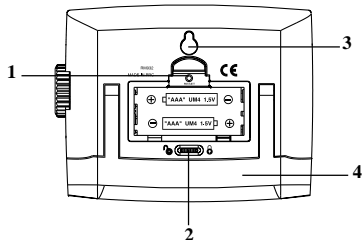
3. [WORLD TIME] BUTTON

- Press to enter the world time setting mode

4. [RF CLOCK] BUTTON

- Press and hold for 3 seconds to activate/deactivate the auto-reception of RF clock signal

CONTROL BUTTONS:REAR PANEL



1. [RESET] BUTTON (inside battery compartment)

- Press to return all settings to default values

2. [KEY-LOCK] SLIDE SWITCH

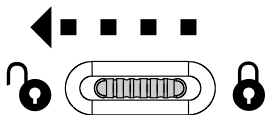
- Slide to lock the key-functions

3. WALL-MOUNT HOLDER

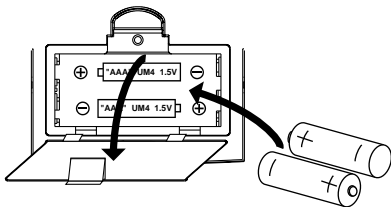
4. FOLDABLE TABLE STAND

BEFORE YOU BEGIN


Before operation, remember to slide the key-lock switch to the left to release all key operations.



BATTERY INSTALLATION



1. Remove the battery compartment door.
2. Insert two (2) pieces of "AAA" 1.5V batteries as shown.
3. Press RESET.
4. Replace the battery compartment door.

When the battery power level is low, the low battery indicator [] will light up. Replace the batteries accordingly.

ACTIVATING THE BACK-LIGHT

Press [SNOOZE/LIGHT] button to turn on the back-light for 5 seconds.

DISPLAY MODES

Press [MODE] button to display the following in sequence:

1. Current Time with Seconds

World City Name Abbreviation & Time



2. Current Time with Weekday

World City Name Abbreviation & Time



3. Calendar

World City Name Abbreviation & Time



To display the dual alarm times, press [ALARM] button.





ABOUT RADIO RECEPTION

This clock is designed to automatically synchronize its calendar clock once it is brought within range of the radio signal. When the unit is within range, its radio-control mechanism will override all manual settings unless auto-reception of radio signal has been manually deactivated.

When the clock is receiving radio signal, the radio reception icon will start to blink. A complete reception generally takes about 2 to 10 minutes, depending on the strength of the radio signal. When the reception is complete, the radio reception icon will stop blinking. The strength of the reception for the last full hour will be indicated.

For better reception, place the unit away from metal objects and electrical appliances to minimize interference.

Should you wish to deactivate the RF controlled function, press and hold **[RF CLOCK]** button for 3 seconds. The radio reception icon will disappear. To reactivate the RF controlled function, press and hold **[RF CLOCK]** button for 3 seconds again and the radio reception icon will be re-displayed.

	- Strong
	- Weak
	- No Reception
	- Receiving

SETTING THE CLOCK AND CALENDAR CLOCK MANUALLY

1. Press and hold [MODE] button for 2 seconds.
2. Select the local city by using the rotary knob [UP]/[DOWN] button (for city names abbreviation, please refer to the section “Selecting the World Time”). Press [MODE] to confirm.
3. Repeat the same procedures to set the hours, minutes, year, month, day, language of day-of-week and hourly-chime on/off by using [UP]/[DOWN] button.
4. Press [MODE] button to save the changes and exit.
5. For the language for day-of-week, you can select “E” for English, “D” for German, “F” for French, “I” for Italian or “S” for Spanish. The day-of-week can be expressed as an abbreviation in five different languages. The languages and their selected abbreviations for each day of the week are shown in the language chart below.

Language	Day-of-the-week						
	Monday	Tuesday	Wed.	Thursday	Friday	Saturday	Sunday
English	E Mo	Tu	We	Th	Fr	Sa	Su
German	D Mo	Di	Mi	Do	Fr	Sa	So
French	F Lu	Ma	Me	Je	Ve	Sa	Di
Italian	I Lu	Ma	Me	Gi	Ve	Sa	Do
Spanish	S Lu	Ma	Mi	Ju	Vi	Sa	Do

Note: When changes are made to the minute, the seconds will start from zero. The unit will also save all changes and return to normal display automatically after the unit has been left idle for a minute.

ABOUT THE HOURLY-CHIME FUNCTION



When the Hourly-Chime is set to the on-mode, the indicator [Ⓞ] will light up and a beep sound will be given out at the beginning of each hour.

SETTING THE ALARM

This clock is equipped with 2 alarms: Weekday Alarm and Single Alarm. For the Weekday Alarm, alarm will only **sound** out at the preset times during weekday (i.e., from Monday to Friday) and will be automatically disabled during the weekend (i.e., Saturday and Sunday). For the Single Alarm, alarm will **sound** out once at the preset time.

To set the alarm:

1. Press [**ALARM**] to change to the respective alarm-time display mode.
2. Press and hold [**ALARM**] for 2 seconds.
3. Use [**UP**]/[**DOWN**] button to enter the hours. Press [**ALARM**] button to confirm.
4. Use [**UP**]/[**DOWN**] to enter the minutes. Press [**ALARM**] to exit.

The alarm will be automatically activated after setting. The corresponding Alarm-On indicator [] or [] will appear. To deactivate the alarm, press the [**ALARM ON/OFF**] button when the corresponding alarm time is displayed. [-: --] will be displayed to indicate such deactivation.

ALARM AND SNOOZE FUNCTION

An alarm will go off for 2 minutes in two-step crescendo patterns if undisturbed. The Alarm-On indicator will flash and the back-light will be activated for 5 seconds. To mute the alarm, press any key. Pressing [**SNOOZE/LIGHT**] button will activate the snooze function.

When the snooze function is activated, the alarm will be muted temporarily and set off again after 8 minutes. To disable the snooze function when the alarm goes off, you can press and hold the [**SNOOZE/LIGHT**] button for 3 seconds. Alternatively press [**ALARM**] or [**ALARM ON/OFF**] button.

SETTING THE WORLD TIME

This clock **features** a World-time display function so that you can check the corresponding time of different places in the world instantly with **DST [Daylight Saving Time] automatically adjusted**. The names of the world cities are shown in an abbreviated 3-letter format (e.g., "FRA" for Frankfurt, Germany).

To set the world time:

1. Press [**WORLD TIME**] button once. The World-Time icon will be flashing.
2. Use the [**UP**]/[**DOWN**] button to select the world city.
3. Press the [**WORLD TIME**] button to confirm.

World City Abbreviations Reference Table

Country Name	City code	Time Offset (GMT = 0)	DST Period
Addis Ababa, Ethiopia	ADD	3	No DST
Adelaide, Australia	ADL	9.5	From Last Sunday in October to Last Sunday in March
Auckland, New Zealand	AKL	12	From 1st Sunday in October to 3rd Sunday in March
Ankara, Turkey	AKR	2	From Last Sunday in March to Last Sunday in October
Algiers, Algeria	ALG	1	No DST
Amsterdam, Netherlands	AMS	1	From Last Sunday in March to Last Sunday in October
Anchorage AK, USA	ANC	-9	From 1st Sunday in April to Last Sunday in October
Antananarivo, Madagascar	ANT	3	No DST
Asuncion, Paraguay	ASU	-4	From 1st Sunday in September to 1st Sunday in April
Athen, Greece	ATH	2	From Last Sunday in March to Last Sunday in October
Atlanta GA, USA	ATL	-5	From 1st Sunday in April to Last Sunday in October
Abu Dhabi, U.A.E	AUH	4	No DST
Bucharest, Romania	BBU	2	From Last Sunday in March to Last Sunday in October
Barcelona, Spain	BCN	1	From Last Sunday in March to Last Sunday in October
Baghdad, Iraq	BDD	3	From 1st April to 1st October
Belgrade, Yugoslavia	BEG	1	From Last Sunday in March to Last Sunday in October
Beijing, China	BEJ	8	No DST
Berlin, Germany	BER	1	From Last Sunday in March to Last Sunday in October
Beirut, Lebanon	BEY	2	From Last Sunday in March to Last Sunday in October
Bangkok, Thailand	BKK	7	No DST
Brisbane, Australia	BNE	10	No DST
Bogota, Colombia	BOG	-5	No DST
Boston MA, USA	BOS	-5	From 1st Sunday in April to Last Sunday in October
Bern, Switzerland	BRN	1	From Last Sunday in March to Last Sunday in October

Brussels, Belgium	BRU	1	From Last Sunday in March to Last Sunday in October
Brasilia, Brazil	BSB	-3	From 2nd Sunday of October to 3rd Sunday of February
Buenos Aires, Argentina	BUA	-3	No DST
Budapest, Hungary	BUD	1	From Last Sunday in March to Last Sunday in October
Cairo, Egypt	CAI	2	From Last Friday in April to Last Friday in September
Casablanca, Morocco	CAS	0	No DST
Canberra, Australia	CBR	10	From Last Sunday in October to Last Sunday in March
Caracas, Venezuela	CCS	-4	No DST
Calcutta, India	CCU	5.5	No DST
Chicago IL, USA	CGX	-6	From 1st Sunday in April to Last Sunday in October
Colombo, Sri Lanka	CMB	6	No DST
Copenhagen, Denmark	CPH	1	From Last Sunday in March to Last Sunday in October
Cape Town, South Africa	CPT	2	No DST
Dhaka, Bangladesh	DAC	6	No DST
Damascus, Syria	DAM	2	From 1st April to 1st October
New Delhi, India	DEL	5.5	No DST
Detroit MI, USA	DTW	-5	From 1st Sunday in April to Last Sunday in October
Dublin, Ireland	DUB	0	From Last Sunday in March to Last Sunday in October
Frankfurt, Germany	FRA	1	From Last Sunday in March to Last Sunday in October
Guatemala City, Guatemala	GUA	-6	No DST
Geneva, Switzerland	GVA	1	From Last Sunday in March to Last Sunday in October
Hamburg, Germany	HAM	1	From Last Sunday in March to Last Sunday in October
Hanoi, Vietnam	HAN	7	No DST
Havana, Cuba	HAV	-5	From 1st Sunday in April to Last Sunday in October
Ho Chi Minh City, Vietnam	HCM	7	No DST
Helsinki, Finland	HEL	2	From Last Sunday in March to Last Sunday in October
Hong Kong, China	HKG	8	No DST
Honolulu HI, USA	HNL	-10	No DST

Houston TX, USA	HOU	-6	From 1st Sunday in April to Last Sunday in October
Indianapolis, IN, USA	IND	-5	No DST
Istanbul, Turkey	IST	2	From Last Sunday in March to Last Sunday in October
Jakarta, Indonesia	JKT	7	No DST
Johannesburg, South Africa	JNB	2	No DST
Kabul, Afghanistan	KBL	4.5	No DST
Khartoum, Sudan	KHA	3	No DST
Kiev, Ukraine	KIE	2	From Last Sunday in March to Last Sunday in October
Kingston, Jamaica	KIN	-5	No DST
Kathmandu, Nepal	KTM	5.75	No DST
Kuala Lumpur, Malaysia	KUL	8	No DST
Kuwait City, Kuwait	KWI	3	No DST
Las Vegas NV, USA	LAS	-8	From 1st Sunday in April to Last Sunday in October
Los Angeles CA, USA	LAX	-8	From 1st Sunday in April to Last Sunday in October
Lima, Peru	LIM	-5	No DST
Lisbon, Portugal	LIS	0	From Last Sunday in March to Last Sunday in October
London, UK	LON	0	From Last Sunday in March to Last Sunday in October
Lagos, Nigeria	LOS	1	No DST
La Paz, Bolivia	LPB	-4	No DST
Luxembourg, Luxembourg	LUX	1	From Last Sunday in March to Last Sunday in October
Madrid, Spain	MAD	1	From Last Sunday in March to Last Sunday in October
Melbourne, Australia	MEL	10	From Last Sunday in October to Last Sunday in March
Mexico City, Mexico	MEX	-6	From 1st Sunday in April to Last Sunday in October
Managua, Nicaragua	MGA	-6	No DST
Miami FL, USA	MIA	-5	From 1st Sunday in April to Last Sunday in October
Milan, Italy	MIL	1	From Last Sunday in March to Last Sunday in October
Manama, Bahrain	MNA	3	No DST
Manila, Philippines	MNL	8	No DST

Montreal, Canada	MON	-5	From 1st Sunday in April to Last Sunday in October
Moscow, Russia	MOW	3	From Last Sunday in March to Last Sunday in October
Montevideo, Uruguay	MVD	-3	No DST
Nassau, Bahamas	NAS	-5	From 1st Sunday in April to Last Sunday in October
Nairobi, Kenya	NRB	3	No DST
New York NY, USA	NYC	-5	From 1st Sunday in April to Last Sunday in October
Oslo, Norway	OSL	1	From Last Sunday in March to Last Sunday in October
Ottawa, Canada	OTW	-5	From 1st Sunday in April to Last Sunday in October
Port-au-Prince, Haiti	PAP	-5	No DST
Paris, France	PAR	1	From Last Sunday in March to Last Sunday in October
Perth, Australia	PER	8	No DST
Phoenix, AZ, USA	PHE	-7	No DST
Phnom Penh, Cambodia	PNH	7	No DST
Port-Of-Spain, Trinidad & Tobago	POS	-4	No DST
Papeete, French Polynesia	PPT	-10	No DST
Prague, Czech Republic	PRG	1	From Last Sunday in March to Last Sunday in October
Portland OR, USA	PTL	-8	From 1st Sunday in April to Last Sunday in October
Pretoria, South Africa	PTR	2	No DST
Panama City, Panama	PTY	-5	No DST
Yangon, Myanmar	RGN	6.5	No DST
Rio de Janeiro, Brazil	RIO	-3	From 2nd Sunday of October to 3rd Sunday of February
Reykjavik, Iceland	RKV	0	No DST
Rome, Italy	ROM	1	From Last Sunday in March to Last Sunday in October
Riyadh, Saudi Arabia	RUH	3	No DST
San Salvador, El Salvador	SAL	-6	No DST
Santiago, Chile	SCL	-4	From 1st Sunday on or after 9th October to 1st Sunday on or after 9th March
Seattle WA, USA	SEA	-8	From 1st Sunday in April to Last Sunday in October
Seoul, South Korea	SEL	9	No DST

San Francisco CA, USA	SFO	-8	From 1st Sunday in April to Last Sunday in October
Shanghai, China	SHA	8	No DST
Singapore, Singapore	SIN	8	No DST
San Jose, Costa Rica	SJO	-6	No DST
San Juan, Puerto Rico	SJU	-4	No DST
Salt Lake City UT, USA	SLC	-7	From 1st Sunday in April to Last Sunday in October
Sofia, Bulgaria	SOF	2	From Last Sunday in March to Last Sunday in October
Sao Paulo, Brazil	SPL	-3	From 2nd Sunday of October to 3rd Sunday of February
Stockholm, Sweden	STH	1	From Last Sunday in March to Last Sunday in October
Sydney, Australia	SYD	10	From Last Sunday in October to Last Sunday in March
Tashkent, Uzbekistan	TAS	5	No DST
Tokyo, Japan	TKY	9	No DST
Taipei, Taiwan	TPE	8	No DST
Tripoli, Libya	TRP	2	No DST
Toronto, Canada	TRT	-5	From 1st Sunday in April to Last Sunday in October
Quito, Ecuador	UIO	-5	No DST
Vancouver, Canada	VAC	-8	From 1st Sunday in April to Last Sunday in October
Vienna, Austria	VIE	1	From Last Sunday in March to Last Sunday in October
Warsaw, Poland	WAW	1	From Last Sunday in March to Last Sunday in October
Washington DC, USA	WDC	-5	From 1st Sunday in April to Last Sunday in October
Wellington, New Zealand	WLG	12	From 1st Sunday in October to 3rd Sunday in March
Zurich, Switzerland	ZRH	1	From Last Sunday in March to Last Sunday in October

THE RESET BUTTON

The **[RESET]** button is used to enhance synchronization of signals after battery replacement or when the unit is operating in an **unfavourable** way or malfunctioning. Use a blunt stylus to hold down the button. All settings will return to their default values.

KEY-LOCK FUNCTION

To lock all key-operation when carrying this clock with you, slide the **[KEY-LOCK]** switch to the right. To operate this clock again, slide the switch to the opposite direction.

WALL-MOUNT OR TABLE-STANDING

This unit is designed specially to facilitate table-standing or wall-mounting.

Wall-Mount:

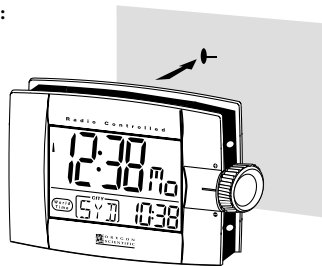
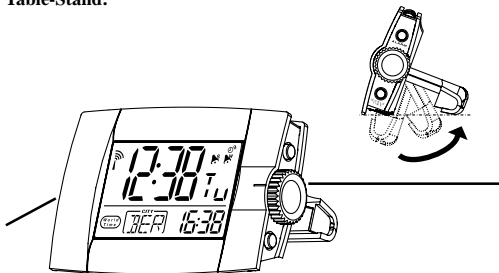


Table-Stand:



MAINTENANCE

When handled properly, this unit is engineered to give you years of satisfactory service. Here are a few product care instructions:

1. Do not immerse the unit in water. If the unit comes in contact with water, dry it immediately with a soft lint-free cloth.
2. Do not clean the unit with **alcohol containing detergent**, abrasive or corrosive materials. Abrasive cleaning agents may scratch the plastic parts and corrode the electronic circuit.
3. Do not subject the unit to excessive: force, shock, dust, temperature, or humidity. Such treatment may result in malfunction, a shorter electronic life span, damaged batteries, or distorted parts.
4. Do not tamper with the unit's internal components. Doing so will terminate the unit's warranty and may cause damage. The unit contains no user-serviceable parts.
5. Only use new batteries as specified in this instruction manual. Do not mix new and old batteries as the old batteries may leak.
6. Read this instruction manual thoroughly before operating the unit.

SPECIFICATIONS

Proposed operating range	:	-5.0°C to +50.0°C (23.0°F to 122.0°F)
Radio Control	:	Auto synchronize current time and date by Radio signal form Frankfurt, Germany DCF-77 (the UK Version from Rugby, England MSF - 60)
Clock format	:	24-hour format (hh:mm:ss) 12-hour format for UK Version
Calendar format	:	Day-Month-Year
Alarm	:	Single and Weekday 2-minute crescendo Alarm with 8-minute snooze function
Power	:	Uses two (42) UM-4 or "AAA" 1.5V batteries
Weight	:	150.63gm (without battery)
Dimensions	:	(L)112.5x(W)86x(T)25.8mm With Carrying Pouch

EC-DECLARATION OF CONFORMITY

This product complies with the essential requirements of Article 3 of the R&TTE 1999/5/EC Directives, if used for its intended use and that the following standard(s) has/have been applied:

Efficient use of radio frequency spectrum

(Article 3.2 of the R&TTE Directive)

applied standard(s) **N / A**

Electromagnetic compatibility

(Article 3.1.b of the R&TTE Directive)

applied standard(s) **ETS 300 683:1997**

Safety of information technology equipment

(Article 3.1.a of the R&TTE directive)

applied standard(s) **EN 60950:1997**

Additional information:

The product **therefore conforms** with the Low Voltage Directive 73/23/EC, the EMC Directive 89/336/EC and R&TTE Directive 1999/5/EC (appendix II) and carries the respective CE marking.

VS-Villingen / Germany August 2001

Gerhard Preis

R&TTE representative of manufacturer

**RTTE Compliant Countries :**

All EC countries, Switzerland **CH**

And Norway **N**

CAUTION

- **The contents of this manual and technical specifications are subject to change without further notice.**
- Due to printing limitation, the displays shown in this manual may differ from the actual display.
- The contents of this manual may not be reproduced without the permission of the manufacturer.

TROUBLESHOOTING GUIDE --- RM932/RM932U

Trouble	Possible Cause	Remedy
All function keys are disabled	Rear slide switch is locked	Unlock the rear switch
Reception icon "Antenna" is not shown	Auto-reception of clock radio signal has been disabled	Enable this function by following the instructions in the User's Manual
<ul style="list-style-type: none"> - Clock time is not correctly set; and/or - Reception icon "Antenna" displays as "No reception" 	<p>The clock radio signal is not received because:</p> <ul style="list-style-type: none"> - Electromagnetic interference exists, or the Main Unit is located within reinforced concrete walls or shadowed area location - Orientation of placement is not at optimum position for reception of clock radio signal 	<ul style="list-style-type: none"> - Locate the Main Unit far from PC, mobile phone etc and re-locate it near the window sill. Wait at least 24 hours (note: during night-time signal is stronger, particularly after rain) - The clock radio signal is searched at 1:00, 2:00, 3:00, 9:00, 15:00, 21:00 every day automatically - To force the signal reception please refer to instructions in the User's manual

Warning:

- For other cases not listed in the above, feel free to contact our help line
- **Do not disassemble the unit. This will void the warranty**