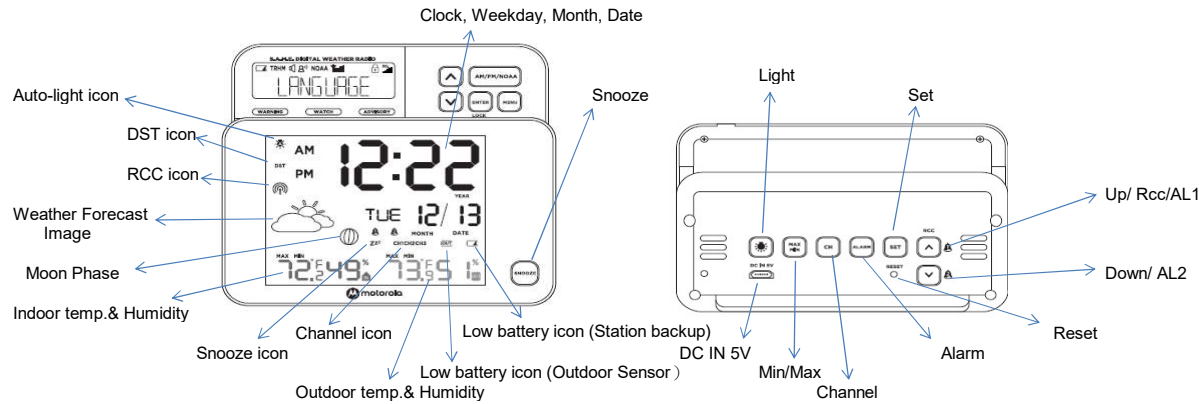


# User Manual WR990 (weather station)



## Operation and Display:

		【SET】	【ALARM】	【UP/RCC】	【DOWN】	【MEM】	【CH】	【SNOOZE】
Standard mode	Press once	Check current time	Check AL1/AL2 time	Turn ON/OFF AL1/ Turn OFF RCC	Turn ON/OFF AL2	Review the Max/Min Temp. & Humidity	Switch to the Synchronized channel	Activate the backlight for 8 sec, snooze features
	Press and hold	Enter clock setting	Enter alarm setting	Force to enter RCC reception	-----	Reset the Max/Min Temp. & Humidity	Reset and re-sync all channel	
Clock setting	Press once	Select a setting item/ Confirm	-----	1 step forward	1 step backward	Review the Max/Min Temp. & Humidity	-----	
	Press and hold	Exit the clock setting mode	-----	8 step/ sec forward	8 step/ sec backward	Reset the Max/Min Temp. & Humidity	-----	
Alarm setting	Press once	-----	Select a setting item/ Confirm	1 step forward	1 step backward		-----	
	Press and hold	-----	-----	8 step/ sec forward	8 step/ sec backward		-----	

### 1. Clock

#### Setting:

- "- Press and Hold 【SET】 for 3 sec. and enter the clock setting.
- "- Press 【SET】 to confirm each setting and it will proceed to next setting items
- "- Press 【UP/RCC】 , it will move 1 step forward; Hold 【UP/RCC】 , it will move fast forward
- "- Press 【DOWN】 , it will move 1 step forward; Hold 【DOWN】 , it will move fast forward

#### Setting cycle:

RCC ON/OFF →	TIME ZONE selection →	DST ON/OFF →	12/24H →	HOUR →	MINUTE →	YEAR →	MONTH →	DAY →	TEMP. UNIT →	EXIT
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#### Remarks:

- 1) Year setting will start from 2000 to 2099
- 2) When there is a change on year/ month/ date, weekday will be automatically updated.
- 3) The timeout is 60 seconds, setting will be automatically closed after the timeout passed.

### 2. RCC feature

The weather station will automatically start the RCC in either one of the below criteria:

- 1) Power on or reset to enter RCC reception
- 2) RCC will start regularly at 1:03, 2:03, 3:03, 4:03 & 5:03
- 3) When RCC feature is on, hold the 【UP/RCC】 button to start RCC reception.

"- Press **【UP/RCC】** button once again to quit the RCC reception.

**Remarks:**

- 1) The duration of RCC reception is 7 mins.
- 2) When the RCC feature is ON, RCC " " icon will be shown; When RCC is OFF, RCC " " icon will not be shown.
- 3) TIME ZONE is as below:

	TIME ZONE
#1	EST: Eastern standard time (-5:00)
#2	CST: Central standard time (-6:00)
#3	MST: Mountain standard time (-7:00)
#4	PST: Pacific standard time (-8:00)
#5	AKT: Alaska Standard time (-9:00)
#6	HAT: Hawaii-Aleutian standard time (-10:00)
#7	NST: Newfoundland Standard Time (-3:30)
#8	AST: Atlantic standard time (-4:00)

**3. Alarm**

Setting:

"- Press **【ALARM】** to enter AL1 mode, press again will enter AL2 mode. Press **【ALARM】** again or will move to Standard mode.

"- Press **【ALARM】** to confirm the setting and it will proceed to next setting item

"- Press **【UP/RCC】** , it will move 1 step forward; Hold **【UP/RCC】** , it will move fast forward

" - Press **【DOWN】** , it will move 1 step forward; Hold **【DOWN】** , it will move fast forward

**Alarm setting cycle:**

Hour -> Minute -> ALL/ WKD ON -> exit

Select ALL -> Alarm ON from Monday to Sunday

Select WKD-> Alarm ON from Monday to Friday

**Remarks:**

- 1) The timeout is 60 seconds, setting will be automatically closed after the timeout passed.
- 2) The duration of Alarm is 2 mins.

**4. Weather forecast**

5 types:

Sunny, Partly Cloudy, Cloudy, Rainy, Snowy



**Remarks:**


- 1) The weather forecast would be more accurate under the natural ventilation conditions and there will be error in indoor conditions, especially in air conditioned rooms.


**5. Moon phase feature**

The moon phase is calculated according to the calendar, the moon image is divided into 8 levels as shown below:



### 6. Low battery feature

"- When the outdoor sensor is running out of battery, the  icon will be flashing no matter which channel is being selected on the device. If the related channel is being selected, the Channel icon will flash at the same time.

"- When the backup battery of weather station is low,  icon will be flashing.

"- The beep-beep sound will be activated in every 3 hours for any low battery notification

### 7. Auto Light feature

"- Press and hold **[LIGHT]** to turn on/ off Auto-light feature

"- Press **[LIGHT]** to adjust the brightness: High -> Dim -> Off

"- When the Auto-light feature is ON, the backlight will be reduced to dim in low light.

"- Press any button to activate the backlight for 8 seconds

### 8. Temperature & Humidity features

"- Indoor temp. range : -20C to +50C (-4F to 122F)

"- Outdoor temp. range : 0C to +50C (32F to 122F)

"- Out of range: HH.H/ LL.L

"- Indoor/ Outdoor humidity: 20% to 95% (out of range: HH/LL)

### 9. RF feature

"- Press and hold **[CH]** to reset all channels

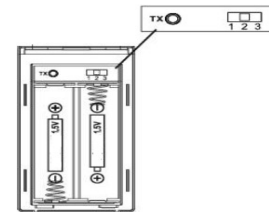
1	Press or hold <b>[CH]</b> for 2 sec.	RF will start to scan channels for 3 mins.
2	Once the weather station has connected all 3 channels	It will stop to scan
3	Press <b>[CH]</b>	to review the Channel cycle : CH1-->CH2---- >CH3--->
4	Lost signal	it will start to scan the original channel in 1 hour

## User Manual WR990 (wireless sensor)

The weather station will accommodate up to three wireless sensors. (Additional sensors would be sold separately.)

To connect wireless sensor to the weather station:

1. Remove the battery cover from wireless sensor  
(Leave battery cover off until the wireless sensor received by the weather station).
2. Select the wireless sensor to Channel 1,2 or 3 and insert 2 x AAA batteries.
3. Press and hold CH button for 3 seconds on the weather station until a beep sounds.
4. Press the TX button on wireless sensor to transmit RF signal.
5. When RF connection is established, the respective temperature & humidity for each of the selected channels numbers will appear on the main unit.
6. Install the battery covers on wireless sensor.



7. Place the wireless sensor in appropriate locations.
  8. Press and release the CH button to view channel 1, 2 or 3 on the weather station when multiple sensors are used.
- The icon CH1 , CH2 or CH3 turns on when the corresponding channel is selected.

**FCC COMPLIANCE STATEMENT:**

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**Warning:** Changes or modifications to this unit not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

**FCC Radiation Exposure Statement**

The device has been evaluated to meet general RF exposure requirement.

The device can be used in portable exposure condition without restriction.

**IC Notice:**

This device complies with Canada Industry licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference. Including interference that may cause undesired operation of the device.

*CAN ICES-3 (B)*

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage;
  - (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.
- NMB-3 (B)

**Product Warranty**

Consumer Products and Accessories Limited Warranty ("Warranty")

Thank you for purchasing this Motorola branded product manufactured under license by Zenus Technology Limited, 5000 Peachtree Industrial Blvd., Suite 160, Berkeley Lake, GA 30071. ("ZENUS")

**What Does this Warranty Cover?**

Subject to the exclusions contained below, ZENUS warrants that this Motorola branded product ("Product") or certified accessory ("Accessory") sold for use with this product is manufactured to be free from defects in materials and workmanship under normal consumer usage for the period outlined below. This Warranty is your exclusive warranty and is not transferable.

**Who is covered?**

This Warranty extends only to the first consumer purchaser, and is not transferable.

**What will ZENUS do?**

ZENUS or its authorized distributor at its option and within a commercially reasonable time, will at no charge repair or replace any Products or Accessories that do not conform to this Warranty. We may use functionally equivalent reconditioned/ refurbished/ pre-owned or new Products, Accessories or parts.

**What Other Limitations Are There?**

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Some jurisdictions do not allow the limitation or exclusion of incidental or consequential damages, or limitation on the length of an implied warranty, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from one jurisdiction to another.

**Product Covered****1. Consumer Products**

Length of Covered: One (1) year (or as otherwise required by law) from the date of the products original purchase by the first consumer purchaser of the product.

## **2. Consumer Accessories**

Length of Covered: Ninety (90) days from the date of the accessories original purchase by the first consumer purchaser of the product.

## **3. Consumer Products and Accessories that are Repaired or Replaced**

Length of Covered: The balance of the original warranty or for ninety (90) days from the date returned to the consumer, whichever is longer

### **Exclusions**

**Normal Wear and Tear.** Periodic maintenance, repair and replacement of parts due to normal wear and tear are excluded from coverage.

**Batteries.** Only batteries whose fully charged capacity falls below 80% of their rated capacity and batteries that leak are covered by this Warranty.

**Abuse & Misuse.** Defects or damage that result from: (a) improper operation, storage, misuse or abuse, accident or neglect, such as physical damage (cracks, scratches, etc.) to the surface of the product resulting from misuse; (b) contact with liquid, water, rain, extreme humidity or heavy perspiration, sand, dirt or the like, extreme heat, or food; (c) use of the Products or Accessories for commercial purposes or subjecting the Product or Accessory to abnormal usage or conditions; or (d) other acts which are not the fault of MOTOROLA or ZENUS, are excluded from coverage.

**Use of Non-Motorola branded Products and Accessories.** Defects or damage that result from the use of Non-Motorola branded or certified Products or Accessories or other peripheral equipment are excluded from coverage.

**Unauthorized Service or Modification.** Defects or damages resulting from service, testing, adjustment, installation, maintenance, alteration, or modification in any way by someone other than MOTOROLA, ZENUS or its authorized service centers, are excluded from coverage.

**Altered Products.** Products or Accessories with (a) serial numbers or date tags that have been removed, altered or obliterated; (b) broken seals or that show evidence of tampering; (c) mismatched board serial numbers; or (d) nonconforming or non-Motorola branded housings, or parts, are excluded from coverage.

**Communication Services.** Defects, damages, or the failure of Products or Accessories due to any communication service or signal you may subscribe to or use with the Products or Accessories is excluded from coverage.

### **How to Obtain Warranty Service or Other Information?**

To obtain service or information, please call:

**USA and CANADA: (866) 740- 8245 or email at [support@altistec.com](mailto:support@altistec.com)**

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