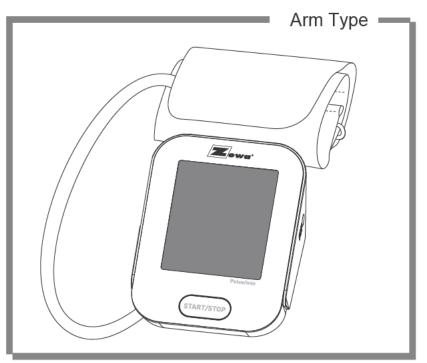
version:1.0



User Manual

Cellular Blood Pressure Monitor

UAM-950



Manufactured for: Zewa, Inc. 12960 Commerce Lakes Drive # 29 Fort Myers, FL 33913 Toll Free: 888-993-3592 www.zewa.com

- Thank you for purchasing a Zewa Blood Pressure Monitor.
- To use the monitor correctly and safely, please read the manual thoroughly.

Table of Contents

INTRODUCTION	2
General Description	
 Indications for Use 	
Contraindications	
Measurement Principle	
Safety Information	
 Display and Symbols 	
 Name of Each Part 	
Contents/Product Includes	
BEFORE YOU START	9
The Choice of Power Supply	
 Installing and Replacing the Batteries 	
MEASUREMENT1	1
Applying the cuff	
Taking a measurement	
INFORMATION FOR USER	4
 Tips for measurement 	
Maintenances	
ABOUT BLOOD PRESSURE	.6
 What are systolic pressure and diastolic pressure? 	
 What is the standard blood pressure classification? 	
 Irregular heartbeat detector 	
 Why does my blood pressure fluctuate throughout the day? 	
 Why do I get a different blood pressure at home compared to the hospital? 	
Is the result the same if measuring on the right arm?	
TROUBLESHOOTING	9
SPECIFICATIONS	0
AUTHORIZED COMPONENT	1
CONTACT INFORMATION	
FCC STATEMENT	
EMC GUIDANCE	
WARRANTY	6

General Description

Thank you for selecting ZEWA arm type blood pressure monitor (UAM-950). The monitor features blood pressure measurement, pulse rate measurement and the result storage.

FEATURES:

- 78 mm × 92 mm Digital LCD display
- Systolic, Diastolic Blood Pressure & Pulse Display
- Date / Time Indication
- Irregular Heartbeat detection
- Up-to-date measuring-during-inflation technology
- E-MTC wireless communication

Indications for Use

The ZEWA Blood Pressure Monitor is a digital monitor intended for use in measuring blood pressure and heartbeat rate with arm circumference ranging from 22cm to 45cm (about $8\frac{3}{4}$ -17½). The device can be used to detect irregular heartbeat. It is intended for adult indoor use only.

Contraindications

1. The device should not be used by any person who may be suspected of, or pregnant.

2. The device is not suitable for use on patients with implanted, electrical devices, such as cardiac pacemakers, defibrillators.

Measurement Principle

This product uses the Oscillometric Measuring method to detect blood pressure. Before every measurement, the unit establishes a "zero pressure" equivalent to the atmospheric pressure. Then it starts inflating the arm cuff, meanwhile, the unit detects pressure oscillations generated by beat-to-beat pulsatile, which is used to determine the systolic and diastolic pressure, and also pulse rate.

Safety Information

The symbols below might be in the user manual, labeling or other component. They are the requirement of standard and using.

3	Refer to instruction manual/booklet To signify that the instruction manual/ booklet must be read.	*	Type BF applied part				
Ĩ	Consult instructions for use or consult electronic instructions for use	SN	Serial Number				
	Direct Current	\$ @ -\$	Polarity of d.c. power connector				
	Class II Equipment	\bigtriangleup	For indoor use only				
LOT	Batch code	••••	Manufacturer				
	Date and Country of manufacture	X	Temperature limit				
Ģ	Atmospheric pressure limitation	Ì	Humidity limitation				
A.A	General symbol for recovery/recyclable						
MB	MR Unsafe To identify an item which poses unacceptable risks to the patient, medical staff or other persons within the MR environment.						
À	Caution Indicates that caution is necessary when operating the device or control close to where the symbol is placed, or that the current situation needs operator awareness or operator action in order to avoid undesirable consequences.						
X	The symbol indicates that the product should not be discarded as unsorted waste but must be sent to separate collection facilities for recovery and recycling.						

INTRODUCTION

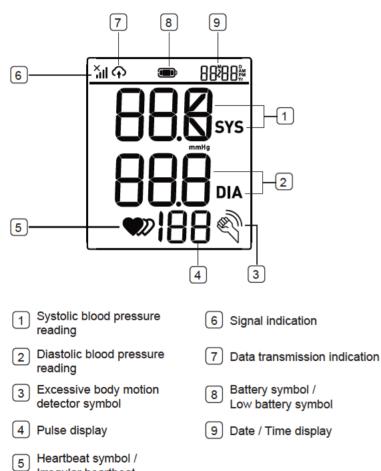
- * This device is intended for indoor, home use
- * This device is not intended for public use.
- * This device is portable, but it is not intended for use during patient transport.
- * This device is not suitable for continuous monitoring during medical emergencies or operations.
 * This device is intended for no-invasive measuring and monitoring of arterial blood pressure. It is not intended for use on extremities other than the arm, or for any purpose other than obtaining a blood pressure measurement.
- * This device is for adults. Do not use this device on neonates or infants. Do not use it on children unless otherwise instructed by a medical professional.
- * Do not use on the women in pregnant, including pre-eclamptic, patients.
- * The device is not suitable for use on patients with implanted, electrical devices, such as cardiac pacemakers, defibrillators.
- The effectiveness of this device has not been established for use:
- -on users with common arrhythmias such as atrial or ventricular premature beats or atrial fibrillation,
- -on users with peripheral arterial disease,
- -on users undergoing intravascular therapy, or with arteriovenous (AV) shunt. Consult a medical professional before use.
- * Do not use this device for diagnosis or treatment of any health problem or disease. Contact your physician if you have or suspect any medical problem. Do not change your medications without the advice of your physician or health care professional.
- * If you are taking medica ion, consult your physician to determine the proper time to measure your blood pressure.
- * This device may be used only for the intended use described in this manual, the manufacturer shall have no liability for any incidental, consequential, or special damages caused by misuse or abuse.
- * Report any unexpected operation or events to the manufacturer.
- ^t Do not apply the cuff on an arm that has an intravenous drip or a blood transfusion attached.
- * Warning: Do not kink, fold, stretch, compress, or otherwise deform the tube during measuring, as the cuff pressure might continuously increase, which could prevent blood flow and result injury.
- * Warning: Taking blood pressure measurements too frequently could disrupt blood circulation and cause injuries.
- * Warning: Do not apply cuff to areas on patient where skin is delicate or damaged. Check cuff site frequently for irritation.
- * Warning: Do not place the cuff on the arm of a person whose arteries or veins are undergoing medical treatment, i.e. intra-vascular access or intra-vascular therapy or an arteriovenous (A-V) shunt, which could disrupt blood circulation and cause injuries.
- * Do not place the cuff on the arm on the same side of a mastectomy (especially when lymph nodes have been removed). it is recommended to take measurements on the unaffected side.
- * Do not wrap the cuff on the same arm to which another monitoring device is applied. One or both devices could temporarily stop functioning if you try to use them at the same time.
- * Please check that the operation of the device do not result in prolonged impairment of patient blood circulation.
- ^b Warning: On the rare occasion of a fault causing the cuff to remain fully inflated during measurement, loosen and remove the cuff immediately. Prolonged high pressure applied to the arm (cuff pressure >300 mmHg or constant pressure >15 mmHg for more than 3 minutes) might lead to bruising and discolored skin.
- ^t Warning: Do not use this device with high-frequency (HF) surgical equipment at the same time.

- * Warning: This device is not AP/APG equipment. Do not use the device where flammable anesthetic are present, or in environments mixture wi h air of with oxygen or nitrous oxide.
- * The device contains sensitive electronic components. To avoid measurement errors, avoid taking blood pressure measurements near a strong electromagne ic field radiated interference signal or electrical fast transient/burst signal.
- * Wireless communication equipment, such as wireless home network devices, mobile phones, cordless telephones and their base stations, walkie-talkies may cause interference that may affect he accuracy of measurements. A minimum distance of 1 foot (30 cm) should be kept from such devices during a measurement.
- * You can use this device to take your own measurement, no third-party operator is required.
- * Please use the device under the environment which is provided in the user manual. O herwise, the performance and lifetime of the device will be impacted and reduced.
- * The device may require up to 30 minutes to warm up / cool down from the minimum / maximum storage temperature before it is ready for use.
- * Warning: Excessive cuff tube lengths could cause strangulation if you don't manage them properly.
- * Warning: Do not touch output of the batteries/adapter and the user simultaneously.
- * Adapter is specified as a part of ME EQUIPMENT.
- * Warning: The power cord is considered the disconnect device for isolating this equipment from supply mains. Do not position the equipment so that it is difficult to reach or disconnect.
- * The blood pressure monitor, its adapter, and the cuff are suitable for use within the patient environment.
- * Warning: Do not use this device if you are allergic to polyester, nylon, or plastic.
- * Warning: Only use accessories approved by manufacturer. Using unapproved accessories might cause damage to the unit and injure users.
- * Warning: If you experience discomfort during a measurement, such as pain in the arm or other complaints, press the Power button immediately to release the air from the cuff.
- * No calibration is required within two years of reliable service.
- * Do not attempt to repair the unit yourself if it malfunctions. Only have repairs carried out by authorized service centers.
- * At he request of authorized service personnel, circuit diagrams, component part lists, descriptions, and calibration procedures will be made available by the manufacturer or distributor.
- * It is recommended that he performance should be checked after repair, maintenance, and every two years of use, by retesting the requirements in limits of the error of the cuff pressure indication and air leakage (testing at least at 50 mmHg and 200 mmHg).
- * Warning: Do not use the device while under maintenance, or being serviced.
- * Store your device, cuff and adapter in a clean and dry place, protect it against extreme moisture, heat, lint, dust and direct sunlight. Never place any heavy objects on it.
- * Make sure the rubber tube of the cuff is not squeezed, stretched, or kinked during storage.
- * Warning: Keep the device, cuff, and batteries away from children as they may pose a risk of choking or strangulation if used improperly.
- * Clean both device and cuff with a soft, dry cloth. If necessary use a dampened cloth and natural detergent. Do not use alcohol, benzene, or other harsh chemicals.
- * Do not wash the cuff in a washing machine or dishwasher!
- * The service life of the cuff may vary by the frequency of washing, skin condition, and storage state. The typical service life is 10000 times.
- * Dispose of accessories, detachable parts, and the device according to the local guidelines.

INTRODUCTION

Display and Symbols

Irregular heartbeat

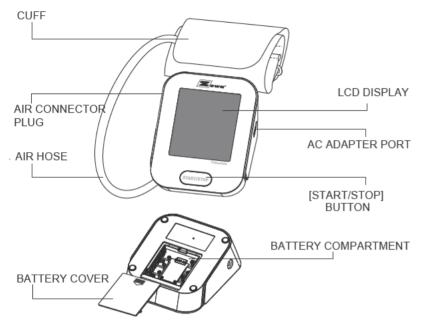


ѕумво	L	EXPLANATION					
1	Systo	Systolic blood pressure reading					
2	Diast	olic blood pressure reading					
3	B)	Excessive body motion detector symbol Appears when talking, moving, or shaking of the arm with the cuff on is detected during a measurement. NOTE: The measured blood pressure reading may not be accurate when this symbol is displayed with the reading.					
4	Pulse	display					
	•	Heartbeat symbol Flashes when decteted during the measurement.					
5		Irregular heartbeat symbol Appears when decteted during a measurement. Refer to page 17 for more information.					
6	The second se	Signal indication Indicates the signal situation in the communication process.					
7	ቀ	Data transmission indication Appears on the LCD display and flash when the measurement data is being sent. If the data transmission is a success, oK is shown.					
8	3	Battery symbol / Low battery symbol Indicate the battery is low when both symbols D LO appear on the LCD display.					
9	Date	/ Time display					

INTRODUCTION

AC adapter

Name of Each Part



Contents/Product Includes

- Blood Pressure Monitor (UAM-950)
- Cuff (Type BF applied part)

Upper arm circumference: 22-42 cm(8.6"-16.5")

- User Manual
- Quick Start Guide
- 4x AA batteries

The Choice of Power Supply

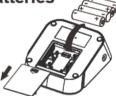
- 1. Battery powered mode: 6V DC 4× AA batteries
- AC adapter powered mode: 6V == 1A Please use the AC adapter authorized by the manufacturer! (Not included)

Please unplug the adapter to depart from the using utility power, when you finish the measurement.

In order to get the best effect and protect your monitor, please use the right batteries and special power adapter which complies with local safety standard.

Installing and Replacing the Batteries

- Slide off the battery cover.
- Install or replace 4 AA size batteries according to the polarity indications inside the battery compartment.



· Place back the battery cover.

Replace the batteries whenever the below happens

- Both symbols 📙 👝 appear on the LCD display
- The display dims
- The display does not light up

– \mathbb{A} CAUTION

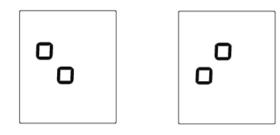
- Do not use new and used batteries together.
- Do not use different types of batteries together.
- Do not dispose the batteries in fire. Batteries may explode or leak.
- Remove batteries if the device is not likely to be used for some time.
- Worn batteries are harmful to the environment. Do not dispose with daily garbage.
- Remove the old batteries from the device following your local recycling guidelines.

BEFORE YOU START

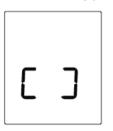
Note

When you insert or replace batteries into the device, the symbol O_{Ω} and $_{\Omega}O$ will display on the LCD alternately. This indicates that the device is searching and pairing with a mobile network.

You can long press the "START/STOP" button to end pairing and use the device. If you manually cancel pairing, the device may take longer to send a measurement after use.



If successful, the symbol [] will be shown on the LCD. You can then utilize the device as normal by pressing the "START/STOP" button.



If unsuccessful, the monitor will power off automatically after several minutes.

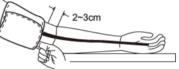
Applying the cuff

- Remove all jewelry, such as watches and bracelets from your left arm. Note: If your doctor has diagnosed you with poor circulation in your left arm, use your right arm.
- Roll or push up your sleeve to expose the skin. Make sure your sleeve is not too tight.
- 3. Hold your arm with palm facing up and tie the cuff on your upper arm, then align the air tube toward the center of your arm.
- 4. Make sure the bottom edge of the cuff 1 inch (2-3 cm) above the inside elbow. Then wrap the cuff securely. Note: The cuff should be snug but not too tight. You should be able to insert one finger between the cuff and your arm.
- 5. Sit upright in a comfortable chair with your back against the backrest of the chair. Keep your feet flat and your legs uncrossed.

Place your arm resting comfortably on a flat table. The cuff worn on your arm should be placed at the same level as your right atrium of the heart.

6. Take 5-6 deep breaths and let's start measuring!







MEASUREMENT

Taking a Measurement

Helpful tips to help ensure an accurate reading

- Take the measurement in a silent room.
- * Rest for 5 minutes before a measurement.
- · Be relaxed, Remain still and DO NOT talk while taking a measurement.
- For a meaningful comparison, try to measure under similar conditions. For example, take daily measurements at approximately the same time, on the same arm, or as directed by a physician.

Start a measurement

1.When the monitor is off, press the "START/STOP" button to turn on, and then it will complete the whole measurement automatically.



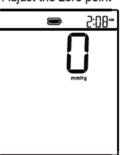




Inflating and measuring



Adjust the zero point



Display the measured result



2. After the measurement, the data transmission starts. The symbol ↔ will blink on the LCD.



If successful, the symbol ↔ will disappear and the LCD will display "[]K".

Press the "START/STOP" button to turn off the device, otherwise it will power off automatically after about 1 minute.

If unsuccessful, an error message ("E5" or "E6" for example) will display on the LCD for about 1 minute and then the device will power off.

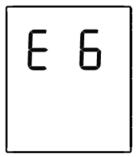
Note

In the case of a data transmission failure (E5 or E6), up to 60 measurements are saved on the device and will be sent when a successful connection is achieved.

Тір

You can press the "START/ STOP" button to stop the measurement any time.



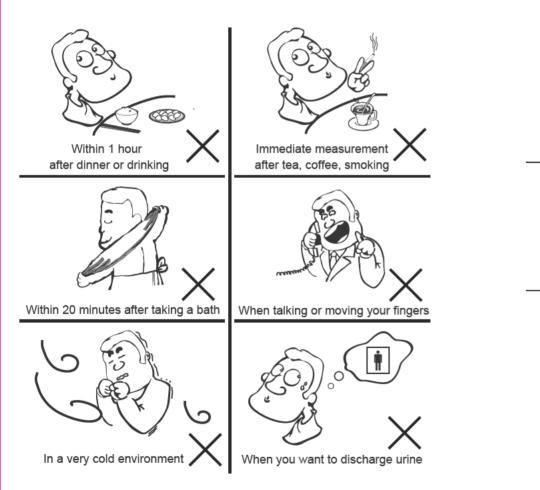




INFORMATION FOR USER

• Tips for Measurement

Measurements may be inaccurate if taken in the following circumstances.

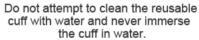


Maintenance

In order to get the best performance, please follow the instructions below.



remove dirt



 $\overline{}$

What are systolic pressure and diastolic pressure?

When ventricles contract and pump blood out of the heart, the blood pressure reaches its maximum value in the cycle, which is called systolic pressure. When the ventricles relax, the blood pressure reaches its minimum value in the cycle, which is called diastolic pressure.





What is the standard blood pressure classification?

The following chart is the standard blood pressure classification published by American Heart Association (AHA).

This chart reflects blood pressure categories defined by American Heart Association.						
Blood Pressure Category	Systolic mmHg (upper#)		Diastolic mmHg (lower#)			
Normal	less than 120	and	less than 80			
Elevated	120-129	and	less than 80			
High Blood Pressure (Hypertension) Stage 1	130-139	or	80-89			
High Blood Pressure (Hypertension) Stage 2	140 or higher	or	90 or higher			
Hypertensive Crisis (Consult your doctor immediately)	Higher than 180	and/or	Higher than 120			

· 🕂 CAUTION

Only a physician can tell your normal BP range. Please contact a physician if your measuring result falls out of the range. Please note that only a physician can tell whether your blood pressure value has reached a dangerous point.

Irregular Heartbeat Detector

An irregular heartbeat is detected when a heartbeat rhythm varies while the unit is measuring the systolic and diastolic blood pressure. During each measurement, the monitor records all the pulse intervals and calculate the average; if there are two or more pulse intervals, the difference between each interval and the average is more than the average value of $\pm 25\%$, or there are four or more pulse intervals, the difference between each interval and the average is more than the average value of $\pm 25\%$, or there are four or more pulse intervals, the difference between each interval and the average is more than the average value of $\pm 15\%$, the irregular heartbeat symbol appears on the display when the measurement results are appeared.

– \land Caution

The appearance of the IHB icon indicates that a pulse irregularity consistent with an irregular heart-beat was detected during measurement. Usually this is NOT a cause for concern. However, if the symbol appears often, we recommend you seek medical advice. Please note that the device does not replace a cardiac examination, but serves to detect pulse irregularities at an early stage.

Why does my blood pressure fluctuate throughout the day?

1. Individual blood pressure varies multiple times everyday. It is also affected by the way you tie your cuff and your measurement position, so please take the measurement under the same conditions.

2. If the person takes medicine, the pressure will vary more.

3. Wait at least 3 minutes for another measurement.

Why do I get different blood pressure at home compared to the hospital?

The blood pressure is different even throughout the day due to weather, emotion, exercise etc. Also, there is the "white coat" effect, which means blood pressure usually increases in clinical settings.

Is the result the same if measuring on the right arm?

It is ok for both arms, but there will be some different results for different people. We suggest you measure the same arm every time.



What you need to pay attention to when you measure your blood pressure at home:

If the cuff is tied properly. If the cuff is too tight or too loose. If the cuff is tied on the upper arm. If you feel anxious. Taking 2-3 deep breaths before beginning will be better for measuring. Advice: Relax yourself for 4-5 minutes until you calm down.



If any abnormality arises during use, please check the following points:

PROBLEM	SYMPTOM	CHECK THIS	REMEDY		
	Display can	Batteries are exhausted.	Replace with new batteries.		
No power	not light up.	Batteries are installed incorrectly or Adapter is not plugged in properly.	Install the batteries or plug in the adapter properly.		
High Battery	H bAt shows	The supply voltage is too high.	Replace with the authorized adapter.		
Low Battery	Lo 🗖 shows	The battery is too low.	Replace with new batteries.		
	E 1 shows	The cuff is not wrapped or wrapped incorrectly, or the cuff air plug is loose.	Refasten the cuff and insert air tube plug correctly then measure again.		
Error message	E 2 or Shows	Excessive body motion (such as shaking of the arm with the cuff on) or Pulse is weak during a measuring.	Relax for 5 minutes, and then keep still, measure again.		
	E 3 shows	Pulse is not detected during measuring.	Loosen the clothing on the arm and then measure again.		
	E 4 shows	The measurement failed.	Relax for 5 minutes and measure again.		
	E 5 shows	Failed to communicate with the server	Try a place with better signal, or contact customer service		
	E 6 shows	Radio communication failure	Contact customer service		
	EExx shows	Hardware error (xx can be some digital symbol, such as 1, 2, etc.)	Turn off monitor and measure again. If EEx still appears on the display, please contact the retailer or our customer service.		
Warning message	out shows	Out of measurement range	Relax for a moment. Refasten the cuff and then measure agai If the problem persists, contact your physician.		

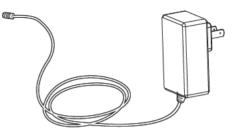
NOTE: If the product still does not work, contact the Customer Service. Under no circumstance should you disassemble or attempt to repair the unit by yourself.

SPECIFICATIONS

External dimensions	Approx.159.2 mm × 121.5 mm × 68.1 mm				
Display mode	Digital LCD V.A. 78 mm × 92 mm				
Weight	Approx.393 g (Excluding the batteries and cuff)				
Measurement mode	Oscillographic testing mode				
Mode of operation	Continuous operation				
Measurement range	Rated cuff pressure: 0 mmHg ~ 299 mmHg Measurement pressure: SYS: 60 mmHg ~ 230 mmHg DIA: 40 mmHg ~ 130 mmHg Pulse value: (40-199) beat/minute				
Accuracy	Pressure: 5°C-40°C within ±3 mmHg Pulse value: ±5%				
Normal working condition	Temperature: +5°C to +40°C Relative humidity: 15% to 90%, non-condensing, but not requiring a water vapour partial pressure greater than 50 hPa Atmospheric pressure: 700 hPa to 1060 hPa				
Storage & transportation condition	Temperature: -20°C to +60°C Relative humidity: ≤93%, non-condensing, at a water vapour pressure up to 50 hPa				
Measurement perimeter of the upper arm	About 22-45 cm				
Degree of protection	Type BF applied part				
Protection against ingress of water	IP21, It means the device could protected against solid foreign objects of 12.5 mm and greater, and protect against vertically falling water drops.				
Device Classification	Battery Powered Mode: Internally Powered ME Equipment AC Adapter Powered Mode: Class II ME Equipment				
Expected Lifetime	5 years or 10000 measurements (may vary based on usage conditions)				

Authorized Component

Please use the authorized adapter (Not included).



Adapter Type: BLJ06L060100P-U Input: 100-240V, 50-60Hz, 0.2A max Output: 6V --- 1000 mA

Contact Information

For more information about our products or online support, please visit www.zewa.com. To contact our customer service, please call 1-888-993-3592 or support@zewa.com.

Manufactured for: Zewa, Inc. 12960 Commerce Lakes Drive # 29 Fort Myers, FL 33913 Toll Free: 888-993-3592 www.zewa.com

FCC STATEMENT

FCC Statement

Contains FCC ID: XMR2020BG95M2

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.

Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

EMC Guidance

The ME EQUIPMENT or ME SYSTEM is suitable for home healthcare environments.

Warning: Don't be near the active HF surgical equipment and the RF shielded room of an ME system for magnetic resonance imaging, where the intensity of EM disturbances is high.

Warning: Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and he other equipment should be observed to verify that they are operating normally.

Warning: Use of accessories, transducers and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.

Warning: Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the equipment UAM-950, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.

Technical description:

1. All necessary instructions for maintaining BASIC SAFETY and ESSENTIAL PERFOR-MANCE with regard to electromagnetic disturbances for the excepted service life.

2. Guidance and manufacturer's declaration-electromagnetic emissions and Immunity.

Table 1

Guidance and manufacturer's declaration - electromagnetic emissions				
Emissions test	Compliance			
RF emissions CISPR 11	Group 1			
RF emissions CISPR 11	Class B			
Harmonic emissions IEC 61000-3-2	Class A			
Voltage fluctuations / flicker emissions IEC 61000-3-3	Comply			

EMC GUIDANCE

Table 2

Guidance and manufacturer's declaration – electromagnetic Immunity					
Immunity Test	IEC 60601-1-2 Test level	Compliance level			
Electrostatic discharge (ESD) IEC 61000-4-2	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air			
Electrical fast transient/burst IEC 61000-4-4	±1 kV ±2 kV,100 kHz repetition frequency	For AC power port: Power supply lines: ±2 kV			
Surge IEC61000-4-5	\pm 1 kV (Line to \pm 0.5 kV line) \pm 0 5 kV \pm 1 kV \pm 2 kV (Line to ground) \pm 2 kV Signal line (LAN line)	For AC power port: Line to lines: ±1 kV			
Voltage dips, short interrup ions and voltage variations on power supply input lines IEC 61000-4-11	0%, 70%, 0% of U⊤	For AC power port: 0% for 0,5 cycle, 0°for 1 cycle 70% for 25 cycles; Single phase: 0% for 250 cycle			
Power frequency magnetic field IEC 61000-4-8	30 A/m 50 Hz / 60 Hz	30 A/m 50 Hz / 60 Hz			
Conduced RF IEC61000-4-6	0,15 MHz – 80 MHz 3 V ISM and amateur radio bands between 0,15 MHz and 80 MHz 6 V	For AC power port: 3 Vrms 6 Vrms (in ISM and amateur radio bands) 80% AM at 1 KHz			
Radiated RF IEC61000-4-3	10 V/m 80 MHz – 2,7 GHz 80% AM at 1 kHz	10 V/m 80 MHz – 2,7 GHz 80% AM at 1 kHz			
NOTE U_T is the a.c. mains voltage prior to application of the test level.					

Table 3

Guidance and manufacturer's declaration - electromagnetic Immunity								
Radiated RF IEC61000-4-3 (Test specifications	Test Frequency (MHz)	Band (MHz)	Service	Modulation	Maximum Power (W)	Distance (m)	IEC 60601-1-2 Test Level (V/m)	Compliance level (V/m)
for ENCLOSURE PORT	385	380-390	TETRA 400	Pulse modulation 18 Hz	18	0.3	27	27
IMMUNITY to RF wireless communicati-	450	430-470	GMRS 460, FRS 460	FM ± 5k Hz deviation 1 kHz sine	2	0.3	28	28
ons equipment)	710	704-787	LTE Band 13, 17	Pulse	02	0.3	9	9
- 1- 1	745			modulation 217 Hz				
	780			217112				
	810	800-960	GSM 800/900, TETRA 800, iDEN 820, CDMA 850, LTE Band 5	Pulse modulation 18 Hz	2	0.3	28	28
	870							
	930							
	1720	1700- 1990	GSM 1800; CDMA 1900; GSM 1900; DECT;	Pulse modulation 217 Hz	2	0.3	28	28
	1845							
	1970		L 3	LTE Band 1, 3, 4,25; UMTS				
	2450	2400- 2570	Bluetooth, WLAN, 802.11 b/g/n, RFID 2450, LTE Band 7	Pulse modulation 217 Hz	2	0.3	28	28
	5240	5100- 5800	WLAN 802.11 a/n	Pulse modulation 217 Hz	02	0.3	9	9
	5500							
	5785							

Limited 2 Year Warranty

Zewa provides a 2 year limited warranty on this product to be free from defects in material and workmanship only under normal use. This warranty extends only to the original owner.

For warranty claims, please return the product together with satisfactory proof of purchase such as a sales receipt. Be sure to include your return address, phone number and a brief description of the problem and mail it to:

Zewa Inc. Attn: Service Department 12960 Commerce Lakes Drive Suite 29 Ft. Myers, Florida 33913

Include a check for return shipping and insurance. Contact Zewa (US and Canada only) at 1-888-993-3592 for appropriate shipping and insurance costs.

In lieu of return of the product, Zewa offers a free of charge warranty repair service on all defective subassemblies, provided the product fails to perform due to faulty workmanship or faulty materials. Defects on the product due to normal wear and tear, misuse, abuse, improper handling whether negligent or intentional, failure to follow instructions or alterations and repairs of the product other than by an authorized Zewa Service location will void this warranty.

All other repair services not covered under this warranty will be charged to the customer.

Zewa will either repair or replace any parts necessary (at its option) to correct defects in the materials or workmanship. Any replacement parts or product may be new or refurbished.

The above warranty is complete and exclusive. Except as stated above, Zewa makes no express or implied warranties or representations, including, but not limited to the accuracy or completeness or information delivered to you, or warranties of fitness for a particular purpose, intended use, merchantability, non-infringement, or any implied warranties arising out of a course of performance, dealing, or trade usage and we specifically disclaim such warranties. In no event will Zewa be liable for indirect, exemplary, incidental, special or consequential punitive or similar damages, including without limitation, any damages resulting from loss of use, loss of business, loss of revenue, loss of profits, or arising in connection with this warranty or your purchase or attempt to purchase products, or of any other obligations, even if we have been advised of the possibility of such damages. Further, the aggregate liability (whether claims arise in contract, tort, personal injury, product liability or otherwise) of Zewa (and its officers, directors, employees, agents, representatives and affiliates), and your sole and exclusive remedy, arising with respect to or in connection with this warranty, shall not exceed the aggregate of our invoiced purchase price with respect to any products as to which there is a dispute. The foregoing limitation of liability shall apply regardless of the cause of action under which such damages are sought, whether in contract, in tort or otherwise.

This warranty gives you specific legal rights, and you may have other rights, which vary from state to state. For this warranty to be effective the enclosed registration card must be completed and returned to us within 15 days from the date of purchase. This warranty registration is also available online at www.zewa.com. Any failure to return the registration card to Zewa timely will constitute a complete bar to any claim by you with respect to such product. Any failure to make a timely claim with respect to the cuff will also bar your claim. Unauthorized returns will be returned to you at your expense and need not be accepted by Zewa.

For any questions regarding this warranty, please contact us at www.zewa.com.