ICE BATH CHILLER

USER MANUAL

Note: No further notice will be given, if the product function is upgraded. Contact us for the latest information.

Note: At present, device can only support 2.4G WiFi signal. Therefore, it can only search for 2.4G WiFi signals.

CAUTIONS:
- Do not turn the chiller upside down.
- After installing the chiller, let it stand for 12 hours.
- Do not use without filter element installed
- Make sure more 50cm free space around the chiller

- Working Temperature: 3℃~39℃
- Storage Temperature: -5℃~55℃
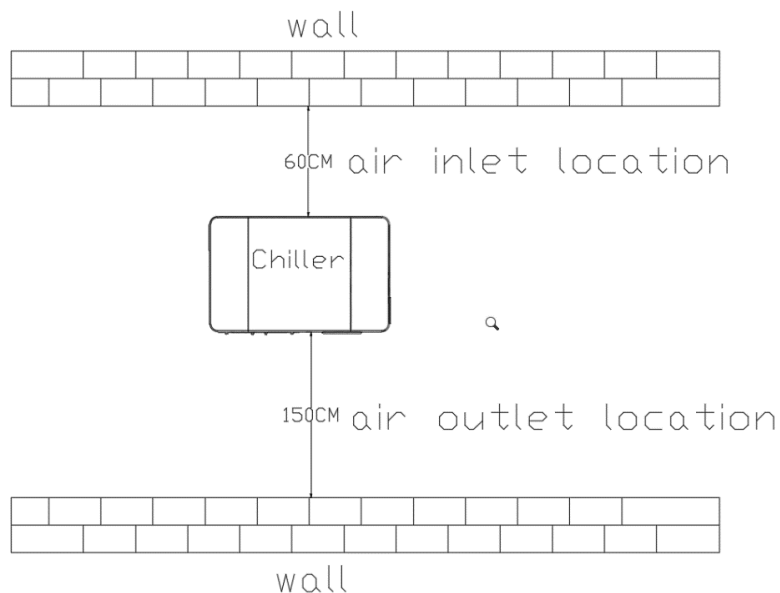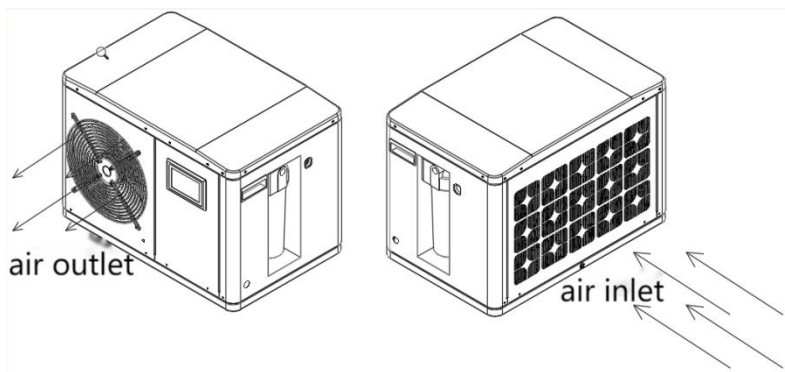- Storage Relative Humidity: 20%~85%

(Make sure there is no water in the internal pipeline of the chiller)

SPECIFICATIONS

MODEL	Theta-1HP-1	
POWER	AC 100-120V/60HZ	
INPUT POWER	1150W	
COMPRESSOR POWER	1010W	
COOLING CAPACITY	2890W	
WATER FILTER	10 INCHES	
HEAT CAPACITY	√	
COOLING FUNCTION	√	
REFRIGERANT	R410A/R32	
APPOINTMENT FUNCTION	√	
Water temperature range	3~39℃	
WATER INLET VALVE	YES (Max/mini water injection pressure: 0.5/0.1MPa)	
DISINFECT	OZONE	
CIRCULATION PUMP	30L/min	
Operating water pressure	0~0.23MPa	
WIFI FUNCTION	APP in Android & IOS System	
DIMENSION (mm)	L465*W470*H500	
MAIN CHARACTERISTIC	low noise	Performance status monitoring function of each component of the whole machine
	Water and electricity separation	Easy to install, waterway with quick-connect parts for quick connection
	Overload protection	Suitable for indoor and outdoor environments
	Overheating protection	Can operate 24 hours a day, 7 days a week
	Antifreeze protection	Intelligent alarm for dirty and blocked water filter
	WIFI connection, remote control via APP	Can control the amount of water added

Installation conditions and requirements:

1. It must be placed horizontally. If it needs to be installed on the pallet, it must be fixed with screws. When it comes with universal wheels, the foot brake must be locked.

2. There must be no obstruction within 1.5m of the air outlet of the chiller (specifically as shown in the figure below), the air outlet must be smooth to avoid affecting the heat dissipation of the chiller.

3. Do not install in harsh environments such as corrosive, flammable gases, dust, oil mist, conductive dust (carbon powder, metal powder etc).

air outlet

air inlet

wall

60CM air inlet location

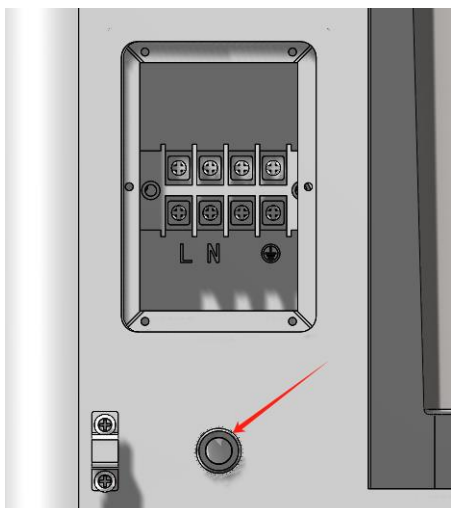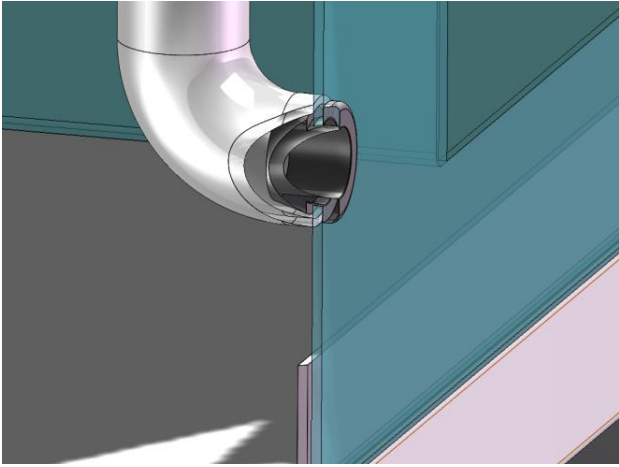Chiller

150CM air outlet location

wall

Requirements for pipelines of chiller connection:

1. Determine the direction of pipeline layout according to the equipment inlet and outlet markings, otherwise the chiller cannot operate normally.

2. Avoid impurities inside the pipelines. Once impurities enter, it may cause failure of the water pump or chiller system.

3. Pipeline resistance: The length of the connecting pipes of the chiller should be the shortest, avoiding right angles and bends.

4. If the pipeline is used, insulation measures should be taken to prevent the loss of cold.

5. The ground wire of line 6 needs to be connected to the equipotential. The equipotential wiring screw is below the main power line inlet of the equipment (M6 green head screw)
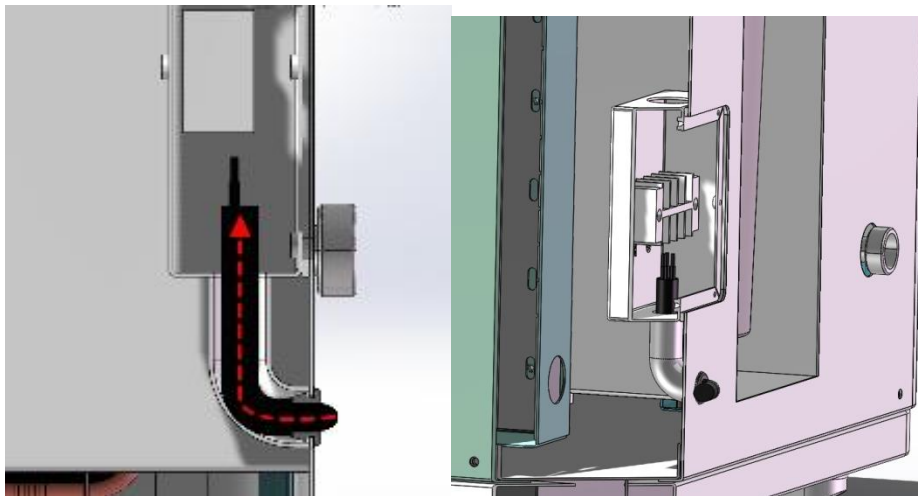
Power line wiring method:

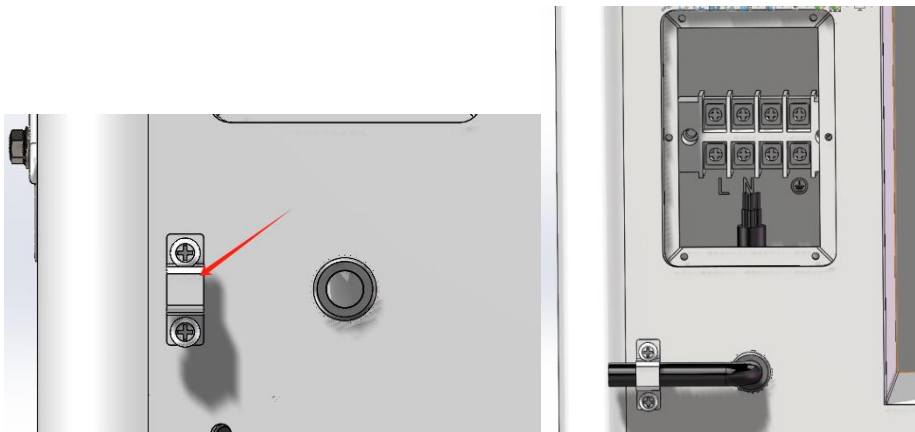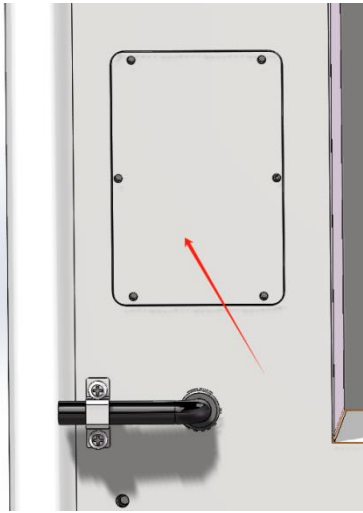1、 Buckle the protective coil on the inlet hole, as shown below:

2、Pass the power cord through as shown below, and connect according to the wiring markings (The wiring markings of the power cord and the junction box correspond one to one)
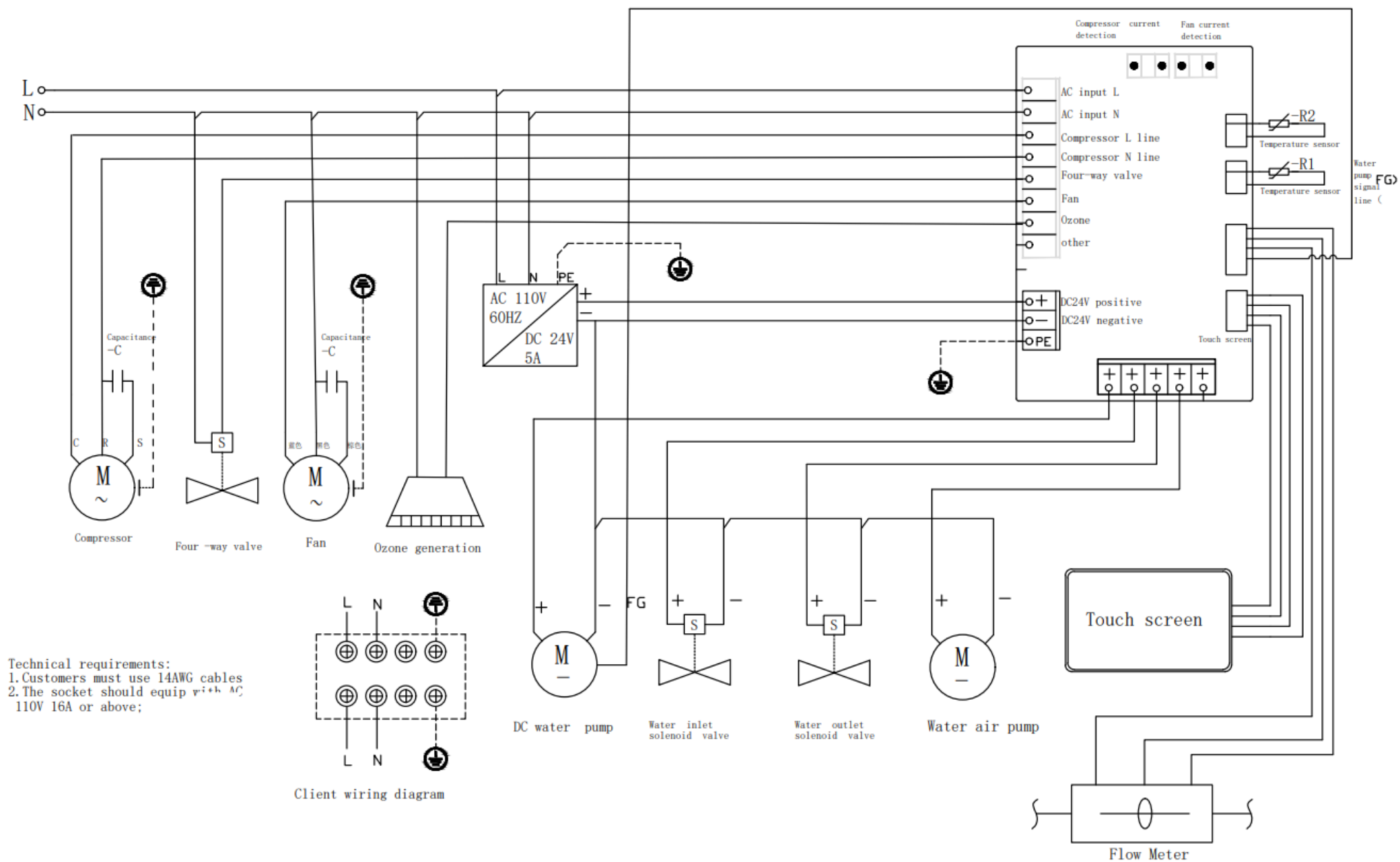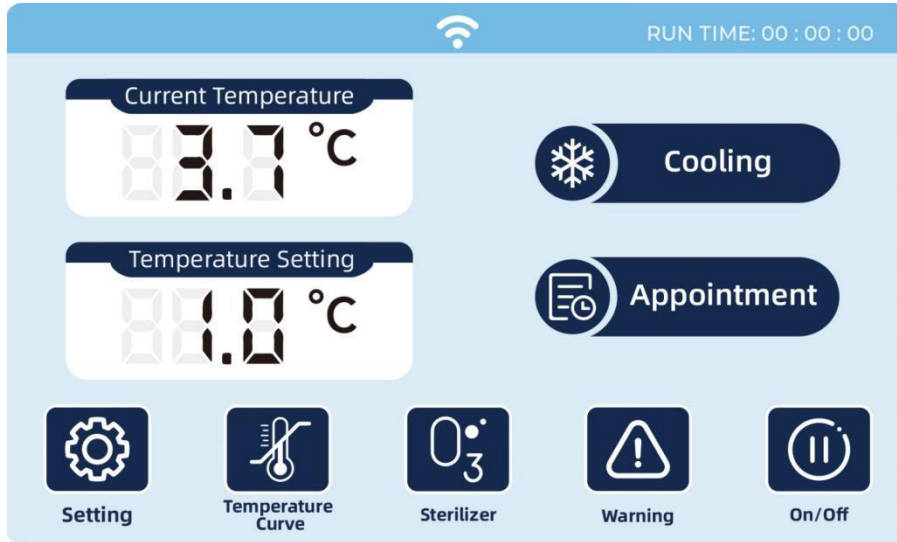

3、Press the power cord with Kama and tighten the screws.

4. Tighten the external junction box cover with screws.

Wiring diagram：

Compressor current detection   Fan current detection

AC input L
AC input N
Compressor L line
Compressor N line
Four-way valve
Fan
Ozone
other

-R2
Temperature sensor
-R1
Temperature sensor
Water pump signal line
FG>

L
N

AC 110V
60HZ

DC 24V
5A

L N PE

+
−

DC24V positive
DC24V negative
PE

Touch screen

Capacitance
-C

Capacitance
-C

C R S

M
~

Compressor

Four -way valve

蓝色 黑色 棕色

M
~

Fan

Ozone generation

Technical requirements:
1. Customers must use 14AWG cables
2. The socket should equip with AC
   110V 16A or above;

L N

L N

Client wiring diagram

+ − FG

M
−

DC water pump

+ −

S

Water inlet
solenoid valve

+ −

S

Water outlet
solenoid valve

+ −

M
−

Water air pump

Touch screen

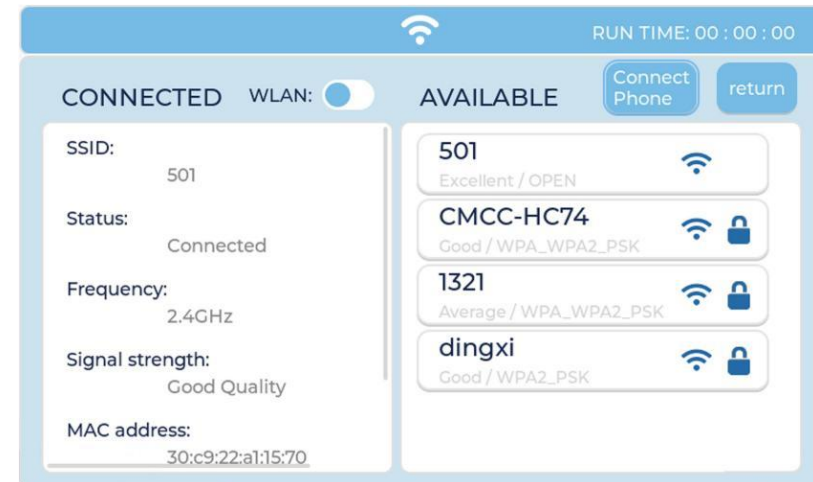Flow Meter

Touch screen introduction

1. Click to turn on/off.

2. Click enter the next setting interface, click to set the parameters and the password is "8888".

3. Click to enter the temperature curve interface to view the temperature changes in the past 6 hours.

4. Click to turn on/off the ozone.

5. Click to view the real-time fault records and troubleshooting suggestions of the chiller.

6. Click the number to pop up the numeric keyboard for setting the target temperature.

7. Click to enter the appointment interface to schedule power on/off.

8. Click to enter WIFI setting.

WIFI connection setting

1. Click enter the interface below:

2. Click on the WIFI you want to connect to and enter the password; it will turn green when connected , the information of connected WIFI will be displayed on the left.

control interface   Timing adjustment   Recording   Analytical
mode interface   interface   statistical interface

APP connection setting

一、Download APP

For Android phones, search for Ice Bath in the Google Store.
For iphones, search for Ice Bath in the App Store.

Click to download and install the APP.

二、User registration

Fill in the registration form and submit

三、The chiller connects to the app

1. Firstly, make sure the ice chiller is connected to WIFI

2. Click to enter the WiFi interface

3. Click after the device QR code appears, log in to the APP and click "+", then click "Scan from QR Code" to scan the QR code of the chiller and add the device

4. After the device is added, check whether the app status is the same as that displayed on the chiller interface. If yes, the device is added successfully

Precautions

1. Do not block the fan outlet of the room. Otherwise, it will reduce the heating and cooling effect and waste power
2. It is forbidden that the equipment is not clean, Regularly check and clean the equipment and filtering device
3. It is forbidden to touch the fan during the operation of the equipment to avoid hurting fingers
4. Pay attention to whether the rated voltage of the product is consistent with the power supply voltage of the home
5. During the operation of the equipment, it is not allowed to touch the switch with hands, let alone the electrical components

Warnings：
The appliance shall be installed in accordance with national wiring regulations.
These instructions are intended as an aid to qualified licensed service personnel for proper installation, adjustment and operation of this unit
This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
Children should be supervised to ensure that they do not play with the appliance.

FCC WARNING
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.

Any 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.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.