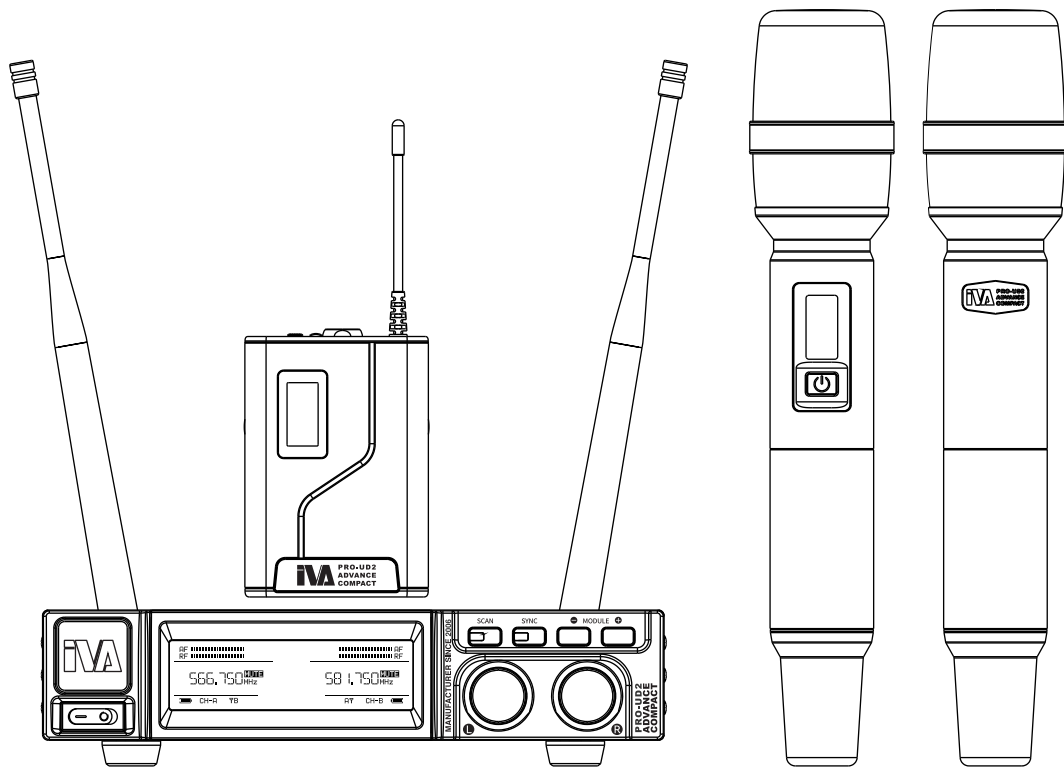


PRO-UD2

ADVANCE COMPACT

UHF WIRELESS MICROPHONE



USER MANUAL

TABLE OF CONTENTS

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SYSTEM COMPONENTS

Note: Your system comes with a combination of the following components:

Set P

- 1 x Pro UD2 Advance Receiver
- 2 x Pro UD2 Advance Bodypack
- 2 x Clipmic
- 2 x Headset
- 1 x DC Power Supply
- 2 x Antenna
- 1 x Unbalance Jack-Jack cable

Set V

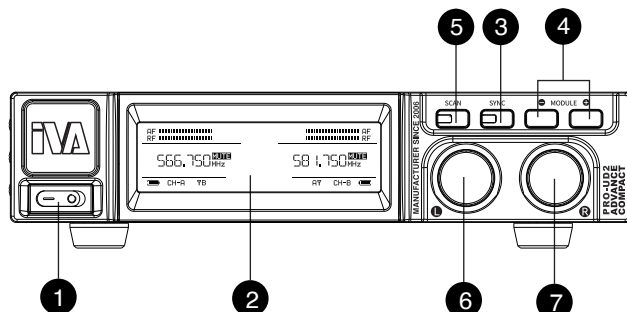
- 1 x Pro UD2 Advance Receiver
- 2 x Pro UD2 Advance Bodypack
- 2 x Rubber cap
- 2 x Mic Guard
- 1 x DC Power Supply
- 2 x Antenna
- 1 x Unbalance Jack-Jack Cable

Set U

- 1 x Pro UD2 Advance Receiver
- 1 x Pro UD2 Advance Bodypack
- 1 x Pro UD2 Advance Handheld
- 1 x Clipmic
- 1 x Headset
- 1 x Rubber Cap
- 1 x Mic Guard
- 1 x DC Power Supply
- 2 x Antenna
- 1 x Unbalance Jack-Jack Cable

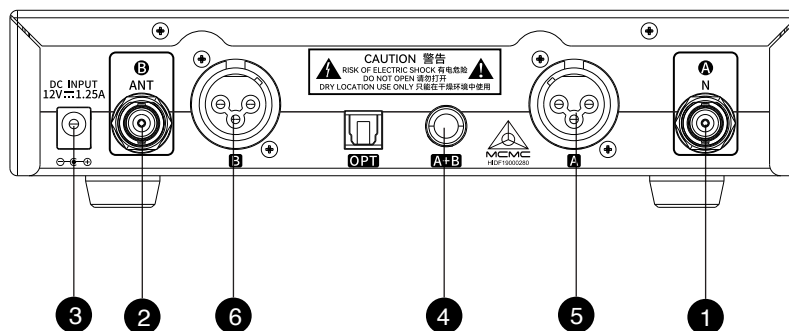
FEATURES

Front Panel



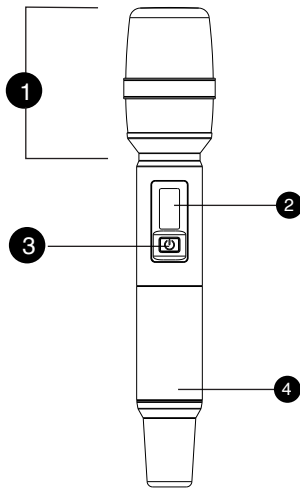
1. Power switch
2. LCD display
3. Sync / IR infrared
4. Group Search : Quick start
5. Frequency scan
6. Channel 1 navigation
7. Channel 2 navigation

Rear Panel



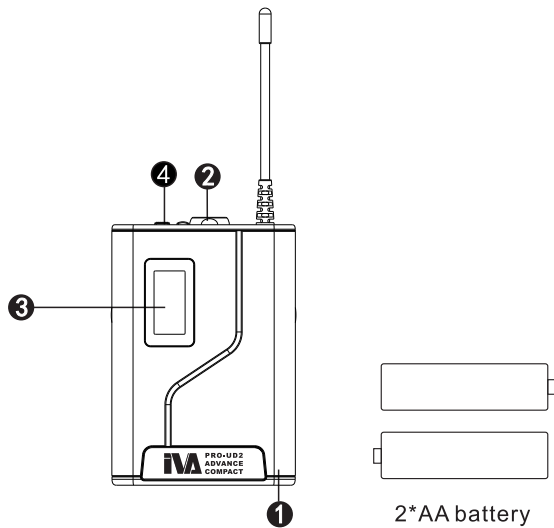
1. CH A Antenna
2. CH B Antenna
3. DC input
4. 1/4 inch jack audio mix out
5. CH A balanced (XLR) audio out
6. CH B balanced (XLR) audio out

Handheld Transmitter



1. Microphone capsule
2. LCD Display
3. Power / Mute
4. Infrared port to receiver IR signal to synchronize frequencies

NOTE: Open cover to pair, any settings changed on the receiver, pairing must be done again.



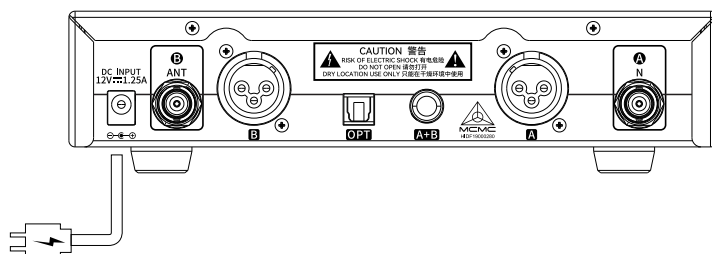
Body-pack transmitter

1. Battery cover: press the side buttons to pull the battery cover
2. Turn on power switch "ON", reverse is "OFF"
3. LCD display
4. Input socket: insert and tighten in a clockwise

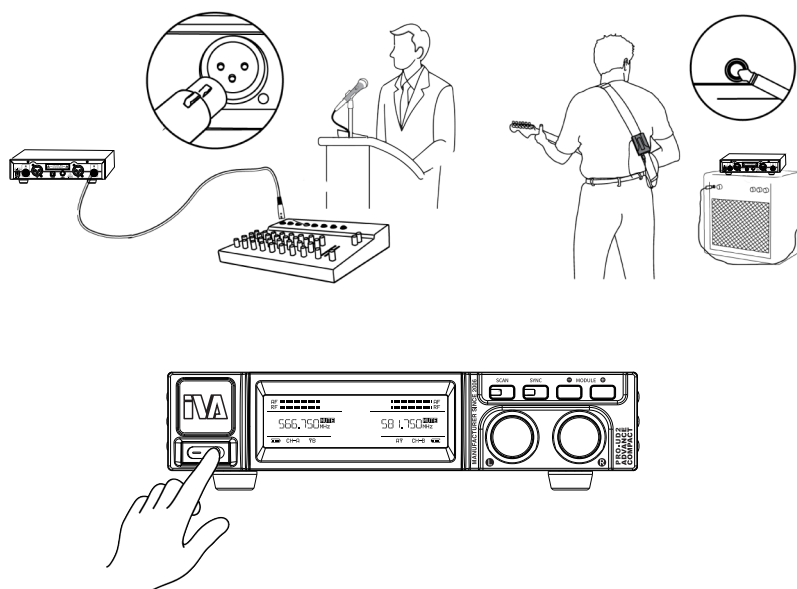
QUICK START GUIDE

Single Receiver Setup

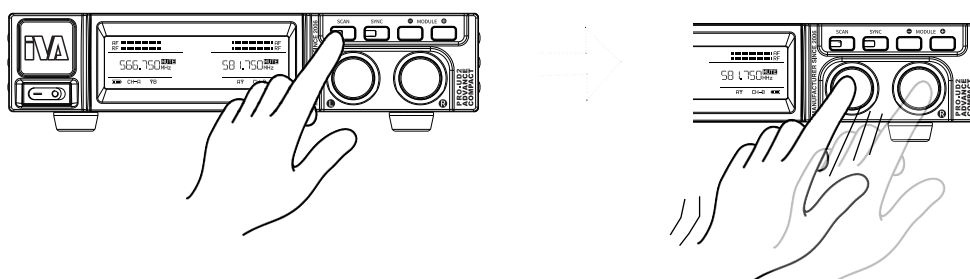
1. Connect receiver to power source



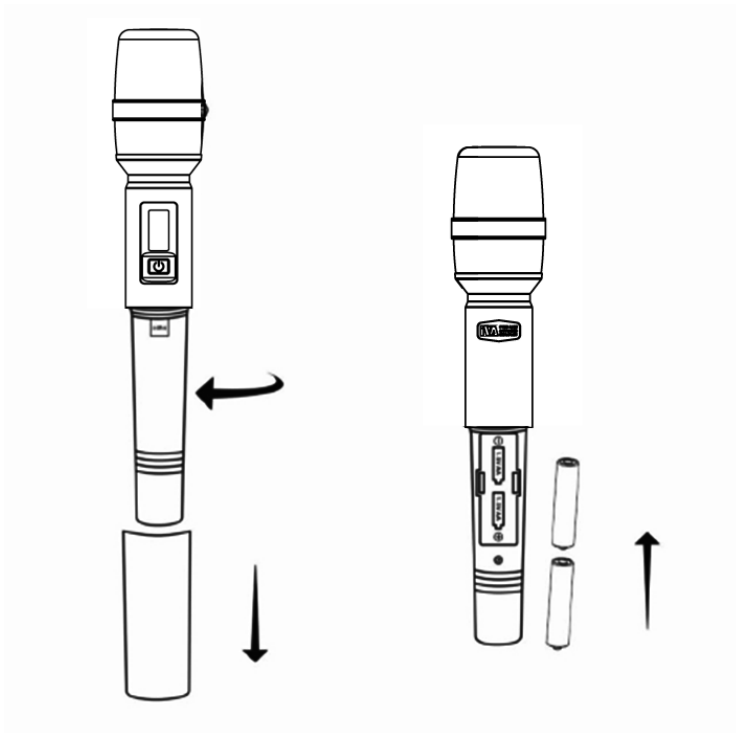
2. Connect receiver to mixer or amplifier. Flip the power switch to turn on.



3. Press button, when the LCD display appear “SCAN”, you would then press L or R button depending your preferred channel.



4. Install batteries and turn on transmitter.



5. To sync the microphone, press the SYNC button and hold one of the microphones with the microphone infrared frequency at the bottom of the microphone facing the infrared frequency display screen on the microphone receiver.

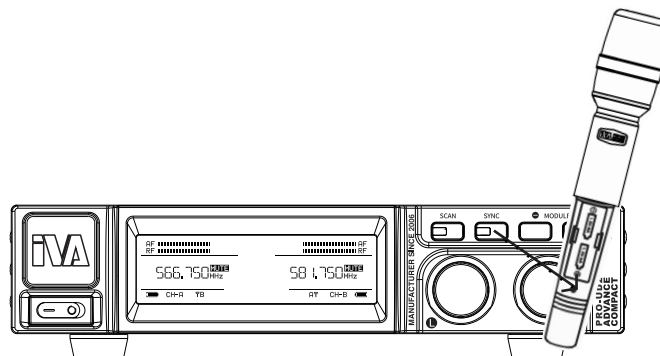
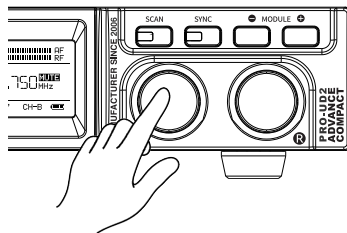
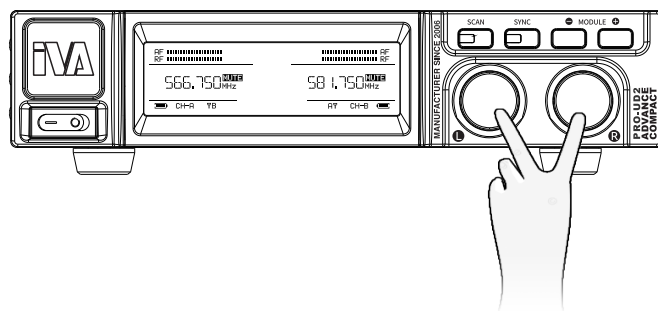


Figure: when the infrared port of the transmitter is aligned with the (IR) port of the receiver. Automatic frequency alignment about will take about 5 seconds. When the frequency by the receiver is the same as that displayed by the transmitter. The docking is successful.

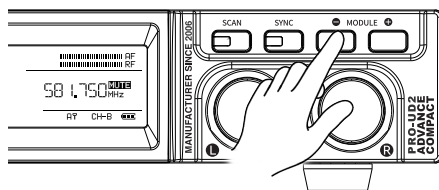
6. If sound is too faint or distorted, adjust the gain by turning the L or R knob.



7. Lock key: Press and hold both of the L and R knob. Until the display screen appears “LOC” indicates the lock is successful.



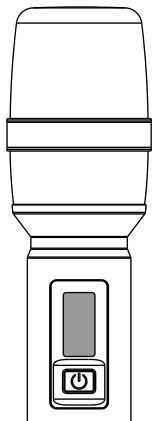
8. Dual Channel Navigation: press the modules button to automatically set both channels



SHAKE TO SYNC

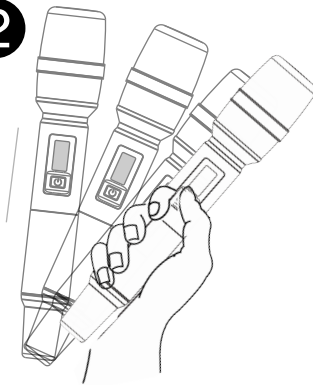
This feature allows you to pair without needing to touch the receiver or the SYNC button

1



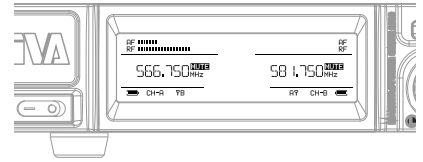
Make sure the handheld is off

2



To activate the function, start shaking the handheld while holding the ON/OFF button until the intro screen pops up.

3



AF Signal could be seen moving when is paired

NOTE:

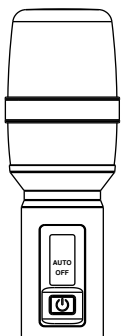
- MAXIMUM 5 METERS AWAY FROM RECEIVER
- ONLY AVAILABLE WITH THE HANDHELD
- SPEED OF SHAKE MUST BE OF EFFORT

AUTO MUTE ON/OFF

Auto mute features of the handheld could be turned on/off.

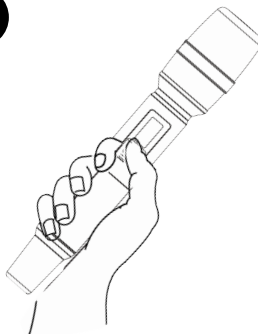
If turned on, when there no motion applied to the device, the handheld microphone will be automatically muted.

1



Make sure the handheld is on.
The device will say Auto Off on the screen.

2



To turn on the function.
Press and hold ON/OFF button until device shuts down.
Do not let go off button.

3



Keep holding the button until it reboots the device and turns back on. The handheld will then say Auto On.

Menu Navigation

To access the navigation menu. Hold one of the channel knobs for 5 seconds until one of list below pops up

SET RF: access to transmission power

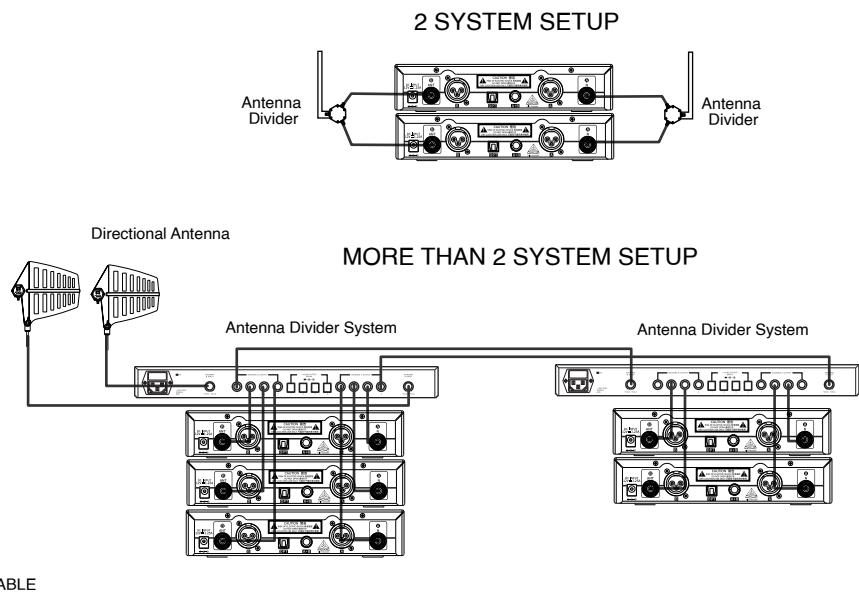
SET AUD: access to eq microphone presets

SET DIS: access to display change

SET FRQ: access to individual frequency selection

Multiple System Setup

Follow these steps when using multiple wireless microphone receiver systems in a single installation:



1. Turn all receivers on and all microphone transmitters off.
2. Perform Intelligent AI Frequency Scanning Selection on the first receiver (see shown above).
3. Turn on the first transmitter.
4. Perform Automatic Transmitter Setup (see shown above). Leave the transmitter turned on. Repeat for each system.

Stackable Unit

In a busy RF environment and increasing of demand of multiple transmitter to be operating in same venues and spaces, the frequencies coordination is a crucial setup for a problem free event flow. All stacked receiver must be properly handled with antenna distributor for antenna management and power cable management for best interference free operation. Assuming the RF in the entire range of IVA PRO-UD2 Advance Compact is completely free of interference RF noise, the table below are the carefully calculated frequencies point that can be selected for each of the transmitter.

	1	2	3	4	5	6	7	8	9	10
MHz	565.000	565.500	566.750	569.000	570.500	579.000	584.750	587.250	589.250	590.000

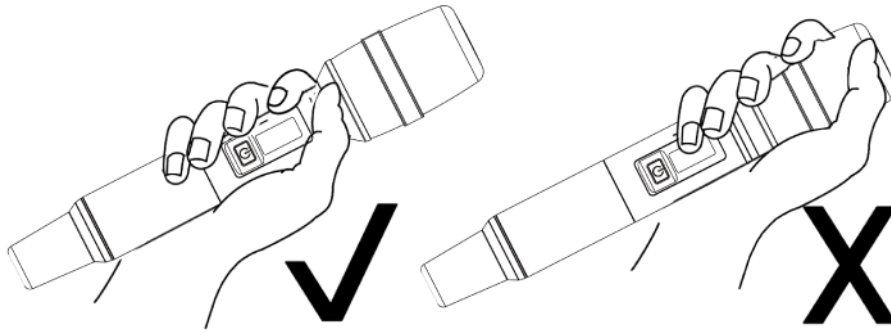
Tips to Improve Wireless System Performance

If you encounter interference or dropouts, try the following suggestions:

- Choose a different receiver signal
- Reposition the receiver so there is nothing obstructing a line of sight to the transmitter (including the audience)
- Avoid placing transmitter and receiver where metal or other dense materials may be present
- Move the receiver to the top of the equipment rack
- Remove nearby sources of wireless interference, such as cell phones, two-way radios, computers, media players, WI-Fi devices, and digital signal processors.
- Charge or replace the transmitter battery
- Keep transmitters more than two meters (6 feet) apart
- Keep the transmitters and receiver more than 5 meters (16 feet) apart
- During sound check, mark trouble spots and ask presenters or performers to avoid those areas

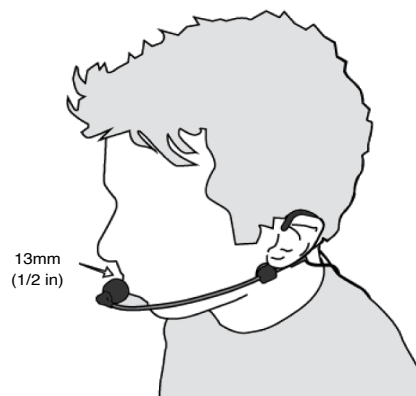
GETTING GOOD SOUND

Correct Microphone Placement



Wearing the headworn Microphone

- Position the headworn microphone 13mm (1/2in) from the corner of your mouth
- Position lavalier and headworn microphones so that clothing, jewelry, or other items do not bump or rub against the microphone.



Adjusting Gain

Monitor the audio LED indicator on the receiver front panel when setting the transmitter gain.

BATTERIES

Expected life for AA batteries is up to 6 hours (total battery life varies depending upon battery type and manufacturer).

POWER OFF

Hold down the power button to power off the handheld.

TECHNICAL SPECIFICATIONS

Main Frame Size:	EIA Standard 1U, Half Rack Size
Receiving Channel:	Two channels
Receiving Mode:	CPU Controlled True Diversity + Pilot Identification Reception
Frequency Stability:	±0.005%
Carrier Frequency Range:	565 – 590 Mhz
Total Frequency Channel:	2 x 100 CH
Oscillation:	PLL Synthesis
Sensitivity:	>95 dBm
Bandwidth:	25 MHz
Max. Deviation Range:	±5KHz
S/N:	>50 dBm
T.H.D:	< 1 kHz
Frequency Response:	70 Hz ~ 15 kHz ±3dB
Transmitter Transmission Strength:	30 mW for handheld & bodypack
Spurious Emission:	-35 dBm
Operating Distance:	60-100 meters in line of sight & low RF noise environment
Antenna Interface:	2 x BNC
Audio Interface:	6.3mm unbalanced audio output, XLR balanced audio output
Max. Unit Stacking:	10 transmitter in low RF noise environments
Power Supply:	12 VDC /1.25 A
Battery:	AA 1.5V for handheld & bodypack
Battery Life:	~ 6 hours for handheld & bodypack
Power Consumption:	180 mA for handheld & bodypack
LCD Display:	Frequency, CH, Battery, RF, AF, MUTE for Receiver, Frequency, CH, Battery for Handheld & Bodypack
Dimensions (WxDxH):	210 x 42 x 180 mm
Weight:	1.8 kg
Packaging Dimensions (WxDxH):	480 x 71 x 340 mm
Packaging Weight:	3 kg

IMPORTANT SAFETY INSTRUCTIONS

1. READ all instructions carefully.
2. KEEP these instructions for future reference.
3. FOLLOW all safety warnings.
4. ADHERE to every instruction provided.
5. KEEP the device away from water.
6. USE only a dry cloth for cleaning.
7. ENSURE proper ventilation by not blocking any vents. Install according to the manufacturer's guidelines.
8. KEEP the device away from heat sources (e.g., radiators, stoves, amplifiers). Avoid placing open flames nearby.
9. DO NOT tamper with polarized or grounding plugs. Use correct outlets; consult an electrician if a plug doesn't fit.
10. AVOID damage to the power cord—do not step on it or pinch it, especially near plugs and outlets.
11. ONLY use manufacturer-approved accessories.
12. USE carts, stands, or tripods as specified by the manufacturer. Be cautious when moving the unit on a cart to avoid tipping over.



13. DISCONNECT the unit during storms or when not in use for extended periods.
14. LEAVE repairs to qualified technicians. Contact a service professional if the unit is damaged by water, impact, or if foreign objects enter it.
15. KEEP the unit away from dripping or splashing liquids. Do not place objects containing liquid on it.
16. ENSURE the plug or coupler is easily accessible at all times.
17. The noise level of the unit does not exceed 70dB (A).
18. Devices with CLASS I construction should be connected to a grounded mains socket.
19. DO NOT expose the device to rain or moisture to reduce fire or electric shock risk.
20. DO NOT disassemble or modify the unit. This can lead to injury or equipment damage.
21. USE the device only within the recommended temperature range.

	This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.
	This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

WARNING: Danger of explosion if incorrect battery replaced. Operate only with AA batteries.