



USER MANUAL

HIGH VELOCITY SUBWOOFER

CI-HV10 / HV15 / HV21

Amplified + Passive Setup • Placement • Safety • Warranty



CAUTION

To reduce the risk of electric shock and fire, do not remove the inner cover below the top plate or the back plate of this device. There are no user serviceable parts inside. Please refer all servicing to licensed service technicians.

The international symbol of a lightning bolt inside a triangle is intended to alert the user to uninsulated "dangerous voltage" within the device's enclosure. The international symbol of an exclamation point inside a triangle is intended to alert the user to the presence of important operating, maintenance and servicing information in the manual accompanying the device.

CAUTION! To prevent electrical shock, match wide blade of plug to wide slot, fully insert. **CAUTION!** To reduce the risk of electrical shock, do not expose this equipment to rain, water or moisture.

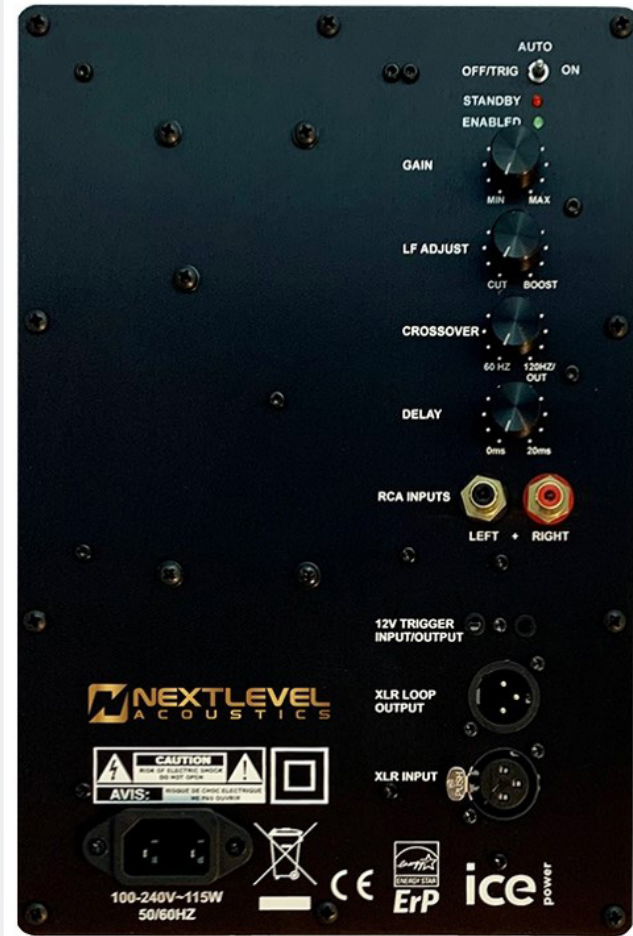
- 1 Read Instructions - All safety and operating instructions should be read before operating the device.
- 2 Retain Instructions - The safety and operating instructions should be retained for future reference.
- 3 Heed Warnings - All warnings on the device and in the operating instructions should be adhered to.
- 4 Follow Instructions - All operating and safety instructions should be followed.
- 5 Water & Moisture - The device should never be used in, on or near water for risk of fatal shock.
- 6 Stands - The device is not intended to be used on a stand.
- 7 Ventilation - The device should always be located in such a way that it maintains proper ventilation. It should never be placed in a built-in installation or anywhere that may impede the flow of air around the product.
- 8 Heat - Never locate the device near heat sources such as radiators, floor registers, stoves or other heat-generating devices.

- 9 Power Supply - The device should only be connected to a power supply of the type described in the operating instructions or as marked on the device.
- 10 Power Cord Protection - Power cables should be routed so they are not likely to be stepped on or crushed by items placed on them or against them. Special attention should be paid to areas where the plug enters a socket or fused strip and where the cord exits the device.
- 11 Cleaning - The device should be cleaned in accordance with manufacturer's instructions.
- 12 Periods Of Non-Use - The device should be unplugged when not being used for extended periods.
- 13 Dangerous Entry - Care should be taken that no foreign objects or liquids fall or are spilled inside the device.
- 14 Damage Requiring Service - The device should be serviced by licensed technicians when:
 - The plug or power supply cord has been damaged.
 - Objects have fallen, or liquid spilled inside of the device.
 - The device has been exposed to moisture.
 - The device does not appear to be operating properly or exhibits a marked change in performance.
 - The device has been dropped or the cabinet becomes damaged.
- 15 Service - The device should always be serviced by licensed technicians. Only replacement parts specified by the manufacturer should be used. The use of unauthorized substitutions may result in fire, shock, or other hazards.

SERVICE NOTE

If service is required, use a licensed technician and manufacturer-specified replacement parts.

Please follow the guidelines below to ensure best performance.



POWER SWITCH

OFF/TRIG - Manually turns the amplifier off. Also used to turn amplifier on/off through the 12v trigger.
 AUTO - Senses an input signal to turn on the amplifier. Amplifier will turn off automatically approximately 20 minutes after the input signal is no longer sensed.
 ON - Manually turns the amplifier on continuously.

STATUS

STANDBY - Indicates AUTO sense is on.
 ENABLE - Indicates the amplifier is on. Power Switch in ON or in AUTO with input signal sensed.

CONTROLS

GAIN - Volume control.
 LF ADJUST - +/- 12dB Peaking filter at 25Hz w/ Q = 2. Adjust to compensate for listening room acoustics and speaker placement.
 Crossover - 60-500Hz Low Pass Filter.
 Delay - 0-20ms time delay. Select to adjust for listening room placement of the subwoofer relative to main speakers.

CONNECTIONS

RCA Inputs - left and right inputs.
 12v Trigger Inputs/Outputs - Accepts 12v trigger input to control amplifier power.
 XLR Input and Looping Output - Balanced input with looping output to connect multiple subwoofers. When XLR input is detected, and no RCA is connected, RCA inputs are muted.

HIGH OUTPUT AMPLIFIER

This is a very high output amplifier. Proceed with caution when applying the gain to ensure you are not maxing out the signal.

NON-AMPLIFIED VERSIONS

Connect the positive speaker wire and negative speaker wire from the amplifier directly to the push terminals on the back of the subwoofer.

Wire the positive speaker wire to the positive terminal and negative speaker wire to the negative terminal located on the back of the subwoofer.

Strictly adhere to the subwoofer's power handling capabilities.

ROOM PLACEMENT

One of these placements may be best for your room/seating position. This can only be done empirically and takes quite a bit of time, trial and error. Listening, over a period of months, generally yields best sub position.

OPTION 1

At quarter points on the front wall (dual subs). This position is generally preferred to aid in eliminating bass nulls.

OPTION 2

Subwoofer crawl to determine the best location.

OPTION 3

Placing the sub in a corner will increase output between 3-6 dB. Ironically, this corner option is generally least desirable due to loss of bass detail.

ADDITIONAL INFORMATION

WALL OUTLET

In the US 110V - 20-amp service preferred as 12-gauge wire, used for 20-amp service, provides a better draw supply to the amplifier. There is a slight improvement in tightness and bass speed going from 16 amp to 20 amp.

ISOLATION

Rubber feet are included to provide isolation between bottom of sub and floor. This isolation is necessary for clean bass.

BREAK-IN / POSITION

Subwoofer response is complex and room interactive. In addition, there is a break in period of about 2 weeks to attain best performance. We suggest moving the sub to a variety of different positions within the listening area.

CONTENTS



High Velocity Subwoofer



Power Cord (Powered Versions)



(4) Rubber Feet w/ hardware



User Manual

5 YEARS

Drivers and Cabinets

2 YEARS

Amplifiers

90 DAYS

Exterior fit & finish

Coverage: 5-Years for Drivers and Cabinets, 2-years on amplifiers for any defects or performance issues realized during the product's normal use, and 90 days for defects in manufacture or workmanship covering the exterior fit and finish for peeling and cracks.

JS Speaker Technology, LLC (herein "JS Speaker Technology"), warrants to the original retail purchaser only that products manufactured by JS Speaker Technology (the "Product") will be free from defects in material and workmanship for a period of five (5) years covering drivers and cabinets, 2-years on amplifiers, and ninety (90) days covering the exterior fit and finish for peeling and cracks from the date of the original purchase from a JS Speaker Technology Authorized Dealer. If the Product is defective in material or workmanship, JS Speaker Technology or its Authorized Dealer will, at its option, repair or replace the warranted product at no additional charge, except as set forth below. All replaced parts and Product(s) become the property of JS Speaker Technology. The product that is repaired or replaced under this warranty will be returned to you, within a reasonable time, freight collect. This warranty is non-transferable and is automatically void if the original purchaser sells or otherwise transfers the Product to any other party. This Warranty does not include service or parts to repair damage caused by accident, misuse, abuse, negligence, inadequate packing or shipping procedures, commercial use, voltage in excess of the rated maximum of the unit, cosmetic appearance of cabinetry not directly attributable to defects in material or workmanship. This warranty does not cover the elimination of externally generated static or noise, or the correction of antenna problems or weak reception. This warranty does not cover labor costs or damage to the Product caused by installation or removal of the Product. JS Speaker Technology makes no warranty with respect to its products purchased from dealers or outlets other than JS Speaker Technology Authorized Dealer.

WARRANTY VOID CONDITIONS & SERVICE

The warranty is automatically void if: 1) The product has been damaged, altered in any way, mishandled during transportation, or tampered with. 2) The product is damaged due to accident, fire, flood, unreasonable use, misuse, abuse, customer applied cleaners, failure to observe manufacturers warnings, neglect or related events. 3) Repair or modification of the Product has not been made or authorized by JS Speaker Technology. 4) The product has been improperly installed or used. The product must be returned (insured and prepaid), together with the original dated proof of purchase to the Authorized Dealer from whom the Product was purchased, or to the nearest JS Speaker Technology factory service center. The product must be shipped in the original shipping container or its equivalent. JS Speaker Technology is not responsible or liable for loss or damage to the Product in transit.

LIMITATIONS & LEGAL TERMS

This limited warranty is the only express warranty that applies to your product. JS Speaker Technology neither assumes nor authorizes any person or entity to assume for it any other obligation or liability in connection with your product or this warranty. All other warranties, including but not limited to express, implied, warranty of merchantability or fitness for a particular purpose, are expressly excluded and disclaimed to the maximum extent allowed by law. All implied warranties on products are limited to the duration of this expressed warranty. JS Speaker Technology has no liability for acts of third parties. JS Speaker Technology's liability, whether based on contract, tort, strict liability, or any other theory, shall not exceed the purchase price of the product for which a claim has been made. Under no circumstance will JS Speaker Technology bear any liability for incidental, consequential, or special damages. The consumer agrees and consents that all disputes between the consumer and JS Speaker Technology shall be resolved in accordance with Connecticut in Hartford County, Connecticut. JS Speaker Technology reserves the right to modify this warranty statement at any time. Some states do not allow the exclusion or limitation of consequential or incidental damages or implied warranties, so the above limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.



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SUPPORT

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