

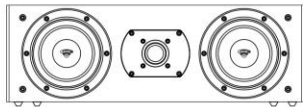
CERWIN-VEGA![®]

LA SERIES

OWNER'S MANUAL



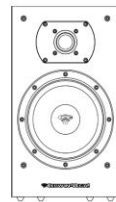
LA110



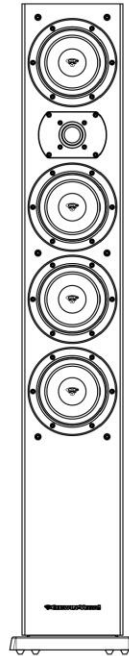
LA24



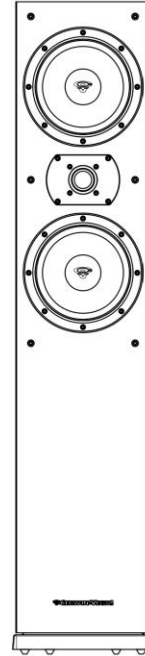
LA14



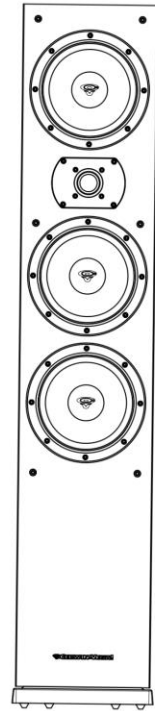
LA165



LA44



LA265



LA365





Introduction

Congratulations! Welcome to the Cerwin-Vega family!

You've joined a growing group of audio enthusiasts who have turned to Cerwin-Vega for some of the most advanced audio reproduction systems available. All Cerwin-Vega products are thoroughly tested to ensure that they meet or exceed our performance specifications. Backed by the best service in the industry, Cerwin-Vega is dedicated to quality and reliability.

For a complete overview of Cerwin-Vega products and services, please visit www.cerwinvega.com

IMPORTANT SYMBOLS AND SAFETY INSTRUCTIONS

	<p>The exclamation point within an equilateral triangle is intended to alert the users to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.</p>	<p>IMPORTANT SAFETY INSTRUCTIONS</p> <ol style="list-style-type: none"> 1. Read and keep these instructions. 2. Heed all warnings and follow instructions 3. Do not use this apparatus near water. 4. Clean only with a dry cloth. 5. Do not block any ventilation openings. 6. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat. 7. Only use attachments / accessories specified by the manufacturer. 8. Use only with a cart, stand, bracket, or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart /apparatus combination to avoid injury from tip-over.  <p>exposed to rain or moisture, does not operate normally, or has been dropped.</p> <ol style="list-style-type: none"> 9. To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. 10. Refer all servicing to qualified service personnel. Servicing is required when an apparatus has been
	<p>The lightning flash with the arrowhead symbol, within an equilateral triangle, is to alert the user to the presence of insulated "dangerous voltage" within the products enclosure that may be of sufficient magnitude to constitute a risk of electric shock to humans.</p>	
	<p>CAUTION: TO REDUCE THE RISK OF ELECTRONIC SHOCK - DO NOT REMOVE COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.</p>	
	<p>ATTENTION: POUR EVITER LES RISQUES DE CHOC ELECTRIQUE, NE PAS ENLEVER LE COUVERCLE AUCUN ENTRETIEN DE</p>	

<p>CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN! DO NOT EXPOSE TO RAIN OR MOISTURE!</p>	<p>PIECES INTERIEURES PAR L'USAGER CONFIER L'E N T R E T I E N A U PERSONNEL QUALFIE. AVIS: POUR EVITER LES RISQUES D'INCENDIE OU D'ELECTROCUTION, N'EXPOSEZ PAS CET ARTIC</p>	<p>damaged in any way, liquid has been spilled, or objects have fallen into the apparatus.</p>
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WARNING: Changes or modifications to this unit is prohibited and any changes made that are not expressly approved by Cerwin-Vega! Inc in writing will void the warranty and any subsequent claims that arise and made to Cerwin-Vega!

Connections:

1. CROSSOVER & SUBWOOFER INPUTS:



LA14 & LA24



LA44, LA165, LA265 & LA365



LA110

Some models can be BiWired or BiAmped:

- LA44, LA165, LA265 and LA365: allows the user to gain direct access to the woofer or tweeter independently by first removing the jumper bars.
- Top two terminals are the tweeter.
- Bottom two terminals are the woofer(s).

Connecting your Front Speakers:

The passive speakers all use an input terminal cup type of connection as shown in Figure 1 below.

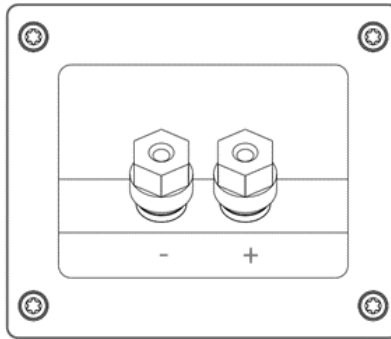


Figure 1: Speaker Terminal Connection

Note: it is recommended that you turn your receiver and or amplifier volume down to a minimum that you plan to use to power your speakers and then power off the receiver and or amplifier before attempting to connect speaker wires to your receiver and or amplifier.

Connect your Left and Right front speakers first with speaker wires to the terminal connections as shown in Figure 1 above.

Connect the other end of the speaker wire to your receiver / amplifier power output connections, please see Figure 2, example shown below.

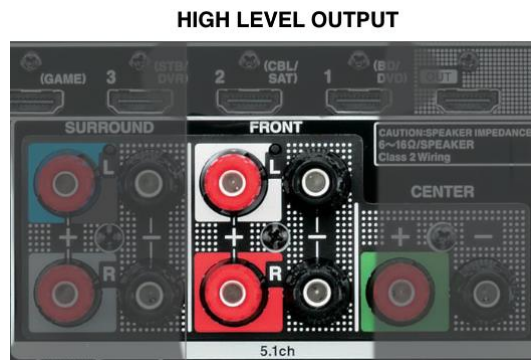


Figure 2: Receiver High Level Output to Front Speakers

Note: when plugging up each speaker, be sure to connect the (-) speaker terminal to the receiver / amplifier (-) terminal that you will be using as your sound source.

Connect the (+) speaker to (+) between the speaker to the receiver / amplifier (+) terminal that you will be using as your sound source.

Failure to connect properly may result in an out of speaker phase condition that may result in a diminished overall sound.

Connecting your Center Channel:

Referencing figure 3 below, the center channel is a passive speaker and audio connections are made via the input terminal cup either using a banana style of plug or simply unscrewing the metal hex nut connector and placing the wire into the hole in the shaft then retighten the connection. Connect the other end of the speaker wire to your receiver / amplifier "CENTER" channel output connections, please see Figure 3, example shown below.

Note: Before attempting to connect speaker cables to your receiver or amplifier, it is also advised that you decrease the volume of the device down to the lowest setting that you intend to use to power your speakers and then turn the device off. Make sure to connect the (-) speaker terminal on each speaker to the (-) receiver or amplifier terminal that will serve as your sound source.

Use only a high-quality grade of speaker wires to the center channel input terminal connections and your receiver / amplifier.

An improper center channel connection could cause the speakers to be out of phase, which would degrade the overall sound, but will not harm the speaker or receiver/amplifier.

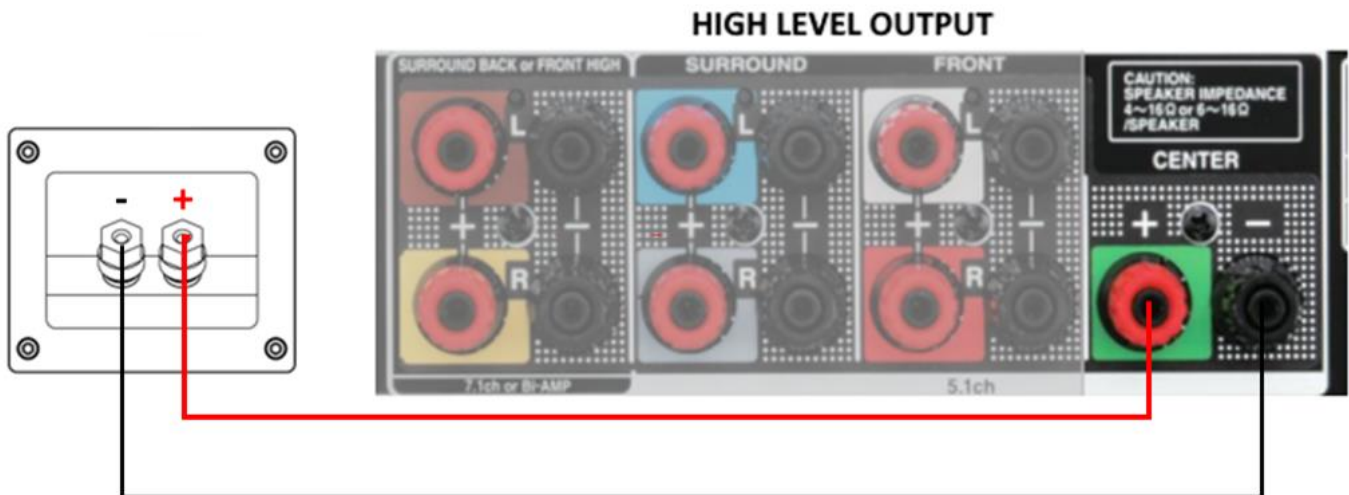


Figure 3 Center Channel Input terminals and Receiver Center Channel output connections.

Connecting your Surround Sound Speakers:

Referencing figures 4 & 5 below, the surrounds are passive speakers positioned typical just behind where the person sits to the left and right sides.

Connections to the left and right channel surrounds are made via the input terminal cups. Connections can be made using either a banana style of plug or simply unscrewing the metal hex nut connector and placing the wire into the hole in the shaft then retighten the connection. Connect the other end of the speaker wire to your receiver / amplifier “SURROUND” LEFT AND RIGHT channel output connections, please see Figure 4, example shown below.

Note: Before attempting to connect speaker cables to your receiver or amplifier, it is also advised that you decrease the volume of the device down to the lowest setting that you intend to use to power your speakers and then turn the device off. Make sure to connect the (-) speaker terminal on each speaker to the (-) receiver or amplifier terminal that will serve as your sound source.

Use only a high-quality grade of speaker wires when connecting the surround speakers to your receiver / amplifier.

An improper surround speaker connection (reverse polarity) could cause the speakers to be out of phase, which would degrade the overall sound, but will not harm the speaker or receiver/amplifier.

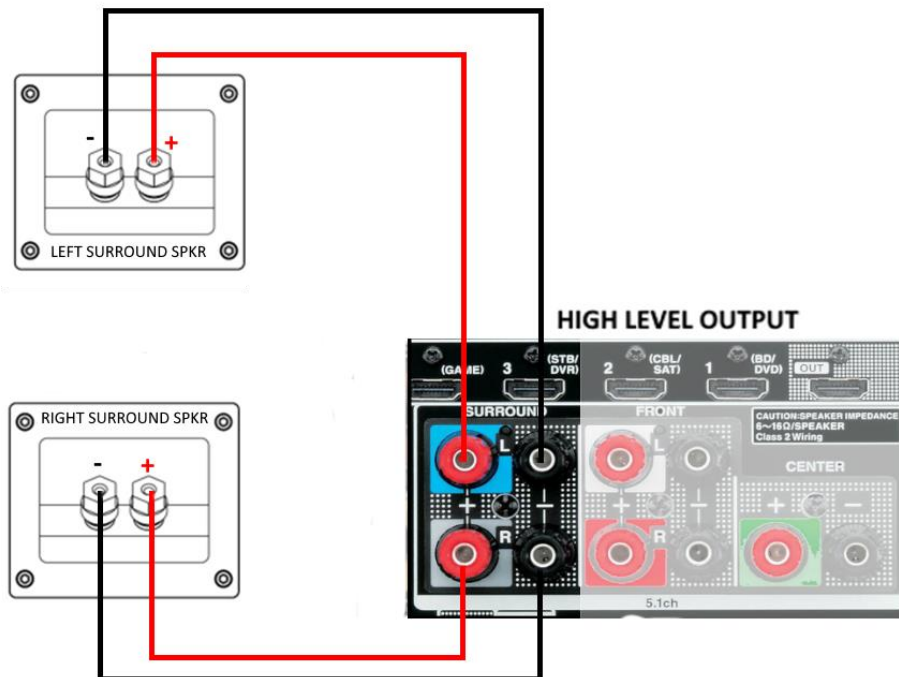


Figure 4 Typical Surround Sound Input terminals and Receiver Surround Channel output connections.

Connecting your Surround Sound Speakers (continued):

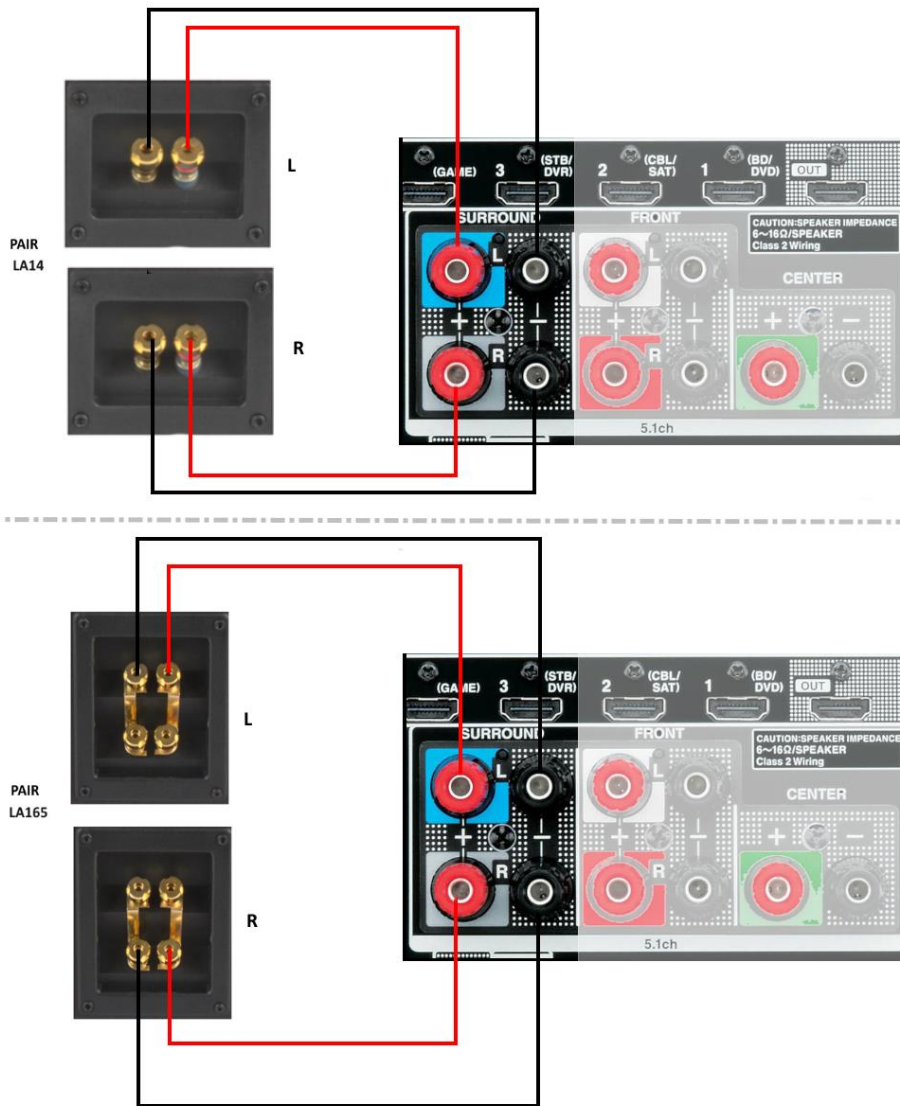


Figure 5 Connection showing either using the LA14 as your surround speaker or instead using the LA165 speakers

The following controls refer only to the **LA110** subwoofer.

1. **PHASE:** speaker phase (0° to 180°) refers to sound waves arriving to the listener from multiple speaker boxes in the room at the same time being in step with each other.

Sometimes for various reasons not covered in these instructions, speaker sounds from a speaker can arrive out of phase as compared to other speakers which can cause a diminished overall sound to arrive at the listeners positions.

When audio arrives being out of phase the sound from each speaker can cancel some of the sound resulting in an overall diminished sound level. By switching the speaker phase switch from a state to another state can help to clear up any diminished bass sounds.

2. **POWER LED:** Power indicator lamp. Glows green in "ON" mode if audio signal is present. Glows red in both "OFF" mode and "ON" mode if receiving AC power, and if audio signal is not present after approximately 30 minutes.
3. **Auto Switch:** Two-position power switch. In the "ON" mode, the subwoofer's amplifier is automatically activated if an audio signal is present and will automatically become inactive when there is no audio signal present after approximately 30 minutes. In the "OFF" mode, power is shut off to the amplifier.
4. **CROSSOVER LEVEL:** Allows the user to adjust the crossover frequency between 50Hz to 150Hz.
5. **LEVEL:** min and maximum for volume level.
6. **Line Level Input/LFE:** Low signal level input from Receiver or other low-level sources.
7. **High Level Inputs:** subwoofer can accept high level inputs from amplifier/receiver
8. **High Level Outputs:** provides a high-level loop through connection to the front speakers.
9. **POWER:** Two-position power switch. In the "ON" mode, the subwoofer's amplifier is automatically activated if an audio signal is present and will automatically become inactive when there is no audio signal present after approximately 30 minutes. In the "OFF" mode, power is shut off to the amplifier.
10. **POWER CORD RECEPTACLE:** Connect the IEC power cord to this receptacle (supplied with the subwoofer). If the IEC cord does not fit in your AC outlet, please purchase another AC cord from your audio dealer or electrical supply store.
11. **REPLACEABLE FUSE:** Protects system from overload. Refer to qualified service personnel to change the fuse.
12. **VOLTAGE MAINS:** the subwoofer can accept AC Mains voltage ranging from 100VAC to 240VAC. The appropriate power cord must be used depending on the country voltage being used.

SPECIFICATIONS:

	LA14 4" 2-WAY BOOKSHELF SPEAKER	LA165 6.5" 2-WAY BOOKSHELF SPEAKER	LA24 4" 2-WAY CENTER CHANNEL SPEAKER	LA256 6.5" 3-Way Tower Speaker
Frequency Response	35Hz to 20KHz	33Hz to 20KHz	35Hz to 20KHz	28Hz to 20KHz
Power Handling	110W	150W	150W	265W
Sensitivity SPL	89dB (1 watt / 1m)	90dB (1 watt / 1m)	90dB (1 watt / 1m)	91dB (1 watt / 1m)
Impedance	4-8Ω	4-8Ω	4-8Ω	4-8Ω
Dimensions (W x H x D)	6.6" x 10.4" x 10.4" 167 x 265 x 265mm	8" x 13.7" x 12.4" 203 x 347 x 315mm	19" x 6.2" x 10.4" 482 x 157 x 265mm	7.8" x 38.5" x 315" 203 x 977 x 265mm
Net Weight	18lbs (8.2Kg)	29.8lbs (13.5Kg)	15lbs (6.8Kg)	38.8lbs (16.7Kg)

	LA44 4" 3-WAY TOWER SPEAKER	LA365 6.5" 3-WAY TOWER SPEAKER
Frequency Response	26Hz to 20KHz	25Hz to 20KHz
Power Handling	280W	300W
Sensitivity SPL	91dB (1 watt / 1m)	91dB (1 watt / 1m)
Impedance	4-8Ω	4-8Ω
Dimensions (W x H x D)	8" x 40.7" x 9.3" 205 x 1035 x 235mm	8" x 41.4" x 12.4" 203 x 1052 x 315mm
Net Weight	29.5lbs (13.4Kg)	40.8lbs (18.5Kg)

Specifications and appearance subject to change:

Contact: (844) 844-1339

	LA110 10" SUBWOOFER SPEAKER
Amplifier Class:	"A/B"
Frequency Response:	22Hz-200Hz
MAX Power Output:	100W RMS / 200W PEAK
THD @Rated Power:	<1% , 300W limiter
Rated Power Signal to Noise (+A)	>85dBm
Standby power consumption:	<0.5W
Low Level Input Sensitivity Rated Power	170mV
LFE Input Sensitivity Rated Power	215mV
THD @ Low Level Input 2V	<1%
Inputs	L & R RCA Jack LFE RCA Jack Hi-Level input to Hi Level Outputs (loop through).
Controls	Volume Freq Adj (50-200Hz) Phase Switch (0/180°)
Port Tubes:	2x port tubes
Cabinet:	MDF
AC Mains Voltage Input	100-240VAC @ 50/60Hz
Dimensions (W x H x D)	318 x 450 x 405 (mm)
Net Weight	0.86Kg

Specifications and appearance subject to change:

Contact: (844) 844-1339

Troubleshooting

Symptoms	Causes	Solutions
Bass sounds distorted	Amplifier is at maximum output Receiver tone controls are set too high	Lower volume or receiver level control Set bass flat; use tone controls sparingly
Distortion with volume control near minimum	Defective receiver or preamplifier, or shorted speaker wires	Repair defective receiver, preamplifier or replace speaker wires
Distortion on music peaks or sound effects	Dynamic soundtrack (e.g., explosions)	Turn down volume control to lower overall range
Buzz, hum, or crackle when connecting wires	Connecting wires with power on causes transient signal spikes	Connect wires only when system power is Off
Buzz or hum when system is on	Grounding problem or ground loop	Check receiver or preamplifier manual for help in eliminating a ground loop
No sound after listening at high-levels	Amplifier's thermal protection has been temporarily activated	Lower subwoofer volume and allow amplifier to cool down; sound should resume automatically

HOME PRODUCTS WARRANTY: LA SERIES

If at any time your CERWIN-VEGA LA Series home product malfunctions as a result of faulty materials or workmanship, CERWIN-VEGA or one of CERWIN-VEGA's Authorized Service Centers in the United States of America will repair the defect(s) or replace the merchandise, as it deems appropriate at its sole discretion based upon the information presented below.

Warranty Period (from date of Purchase as listed on the Bill of Sale):

2 Years Passive (LA14, LA24, LA44, LA165, LA265 & LA365).

1 Year Active amps (LA110).

The end **customer must register their product with Cerwin-Vega within 15 days of ownership.**

Warranty is not transferable from person to person.

To claim warranty a customer must have purchased the product through an authorized CERWIN-VEGA Dealer located in the United States of America.

CERWIN-VEGA will warrant all replacement parts and repairs for ninety (90) days from the date of original shipment.

THIS WARRANTY IS EXTENDED TO THE ORIGINAL RETAIL PURCHASER ONLY AND MAY NOT BE TRANSFERRED OR ASSIGNED TO SUBSEQUENT OWNERS.

IN ORDER TO VALIDATE YOUR WARRANTY, AND AS A CONDITION PRECEDENT TO WARRANTY COVERAGE HEREUNDER, YOU MUST REGISTER YOUR WARRANTY WITHIN FIFTEEN (15) DAYS FOLLOWING THE ORIGINAL DATE OF PURCHASE- YOUR PROOF OF PURCHASE OR SALES RECEIPT

This warranty is subject to the following limitations:

This warranty does not cover the following items listed below:

- Any merchandise that has been altered or modified in any way or upon which the serial number has been tampered with or altered.
- Any merchandise whose warranty card has been altered or upon which false information has been given.
- Any merchandise that has been damaged due to misuse, negligence, or improper operation.
- Any merchandise that has been damaged by accident, flood, fire, lightening, or other acts of God.
- Shipping damage of any kind.
- Any merchandise that has been subjected to extremes of humidity or temperature.
- Any merchandise that has been purchased from an unauthorized dealer, or upon which unauthorized repair or service has been performed.

CERWIN-VEGA HOME MAKES NO OTHER EXPRESS WARRANTY OF ANY KIND WHATSOEVER.

ALL IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, EXCEEDING THE SPECIFIC PROVISIONS OF THIS WARRANTY ARE HEREBY DISCLAIMED AND EXCLUDED FROM THIS WARRANTY.

SOME STATES AND/OR COUNTRIES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF IMPLIED WARRANTIES SO THAT THE ABOVE MAY NOT APPLY TO YOU.

CERWIN-VEGA SHALL NOT BE LIABLE FOR ANY SPECIAL, INDIRECT CONSEQUENTIAL, INCIDENTAL OR OTHER SIMILAR DAMAGES SUFFERED BY THE PURCHASER OR ANY THIRD PARTY, INCLUDING WITHOUT LIMITATION, DAMAGES FOR LOSS OF PROFITS OR BUSINESS OR DAMAGES RESULTING FROM USE OR PERFORMANCE OF

MUST ACCOMPANY ALL REQUESTS FOR WARRANTY COVERAGE.

THE MERCHANDISE, WHETHER IN CONTRACT OR IN TORT, EVEN IF CERWIN-VEGA OR ITS AUTHORIZED REPRESENTATIVE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, AND CERWIN-VEGA SHALL NOT BE LIABLE FOR ANY EXPENSES, CLAIMS, OR SUITS ARISING OUT OF OR RELATING TO ANY OF THE FOREGOING. FOR MERCHANDISE PURCHASED FROM AN AUTHORIZED CERWIN-VEGA DISTRIBUTOR OUTSIDE OF THE US, PLEASE CONTACT THE DISTRIBUTOR FROM WHOM you PURCHASED YOUR MERCHANDISE FOR THE HANDLING AND RESOLUTION OF ALL WARRANTY ISSUES. FOR THESE PURCHASES, THE ABOVE-DESCRIBED WARRANTY IS NOT APPLICABLE. "

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WWW.CERWINVEGA.COM