

Installation and Care Guide

Amplifier

K-99696-NA

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THE BOLD LOOK
OF **KOHLER**®

1232038-2-C

IMPORTANT INSTRUCTIONS



WARNING: When using electrical products, basic precautions should always be followed, including the following:



WARNING: Risk of electric shock. A qualified electrician should route all electrical wiring.



WARNING: Risk of electric shock. Disconnect power before servicing.

CAUTION: Risk of product damage. The amplifier is rated to operate in temperatures up to 104°F (40°C). Do not install near heat sources (such as radiators or heat registers) or in any location where the temperature may exceed 104°F (40°C).

NOTICE: This product is not water-resistant. Do not install in a location where excessive moisture, high humidity levels, or condensation are present.

NOTICE: Follow all electrical and building codes.

NOTICE: Provide unrestricted service access to the amplifier.

NOTICE: Provide a minimum of 6" (152 mm) of space around the amplifier for proper air flow.

NOTE: This amplifier can be operated as a stand-alone unit, or can be installed with the DTV+ showering system.

Operation with DTV+

- To connect the amplifier to the DTV+ system, the K-99695 system controller is required.
- The provided data cable is used to connect the amplifier to the system controller.
- Refer to the "DTV+ System Layout" section in this guide.

Before Operating the System For the First Time:

Download and install the latest software for connected components. This may take an hour or more to complete based on system configuration and internet connection speed. **Do not disconnect the power from any components during software download and installation.**

FCC, IC, and CE Compliance

Contains: Kohler Company, Model: K-99696-NA, FCC ID: N82-KOHLER010, IC: 4554A-KOHLER010, CE: CE2200

IFT Certification Number: 201801A02469

FCC Interference Statement

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

Industry Canada Statement

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. This device must accept any interference, including interference that

FCC, IC, and CE Compliance (cont.)

may cause undesired operation of the device.

CAN ICES-3(B) /NMB-3(B)

CE2200

Range and Function Disclaimer

BLUETOOTH® is the name for a short-range radio frequency (RF) technology that operates at 2.4 GHz. The effective range of most BLUETOOTH mobile devices is 10 meters. BLUETOOTH is designed for very low power use. The compatibility of the BLUETOOTH amplifier interface to mobile/portable devices differs according to the various individual devices and, in particular, may vary with different software versions for a device. The normal mobile device BLUETOOTH range can be up to 10 meters, however, placement of your mobile device and the BLUETOOTH amplifier's installation environment will impact your reception range.

Water and walls can act as blocking agents to the BLUETOOTH signal that your mobile device is using to broadcast to your BLUETOOTH amplifier. Therefore, selecting an installation location that removes these range blocking obstacles will increase the effective range and performance of your BLUETOOTH amplifier.

You can test your BLUETOOTH reception by performing simple range tests using your mobile device prior to performing a permanent installation. The best way to make use of the short BLUETOOTH range is to make sure your BLUETOOTH amplifier is as close to the BLUETOOTH transmitter (mobile phone, tablet, etc.) as possible. The less distance between the two devices, the greater will be the reliability of your BLUETOOTH audio signal, and the less distance means less obstacles in the medium through which the transmission is passing, so there is a reduced chance of audio signal loss.

The compatibility of the BLUETOOTH amplifier to mobile/portable devices differs according to the various individual devices and, in particular, may vary with different software versions for a device. All functions are based on industry-wide communications standards. Compatibility between the BLUETOOTH amplifier and mobile device is therefore largely dependent upon the software version of the mobile device. Other factors (e.g. installation location, walls, distance) mean that in individual cases, sporadic impairment of functions may occur in devices that otherwise function reliably. Not all functions are supported in all countries.

Because of these reasons, Kohler Co. can assume no guarantee for the

Range and Function Disclaimer (cont.)

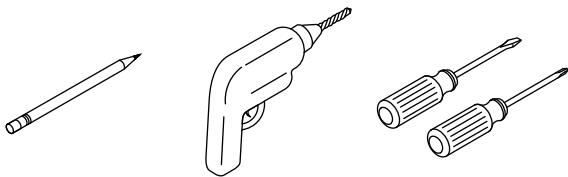
unlimited compatibility and functionality of your mobile device in conjunction with the BLUETOOTH amplifier.

The BLUETOOTH® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Kohler Co. approved suppliers is under license. Other trademarks and trade names are those of their respective owners.

Specifications

Ambient Temperature	Max 104°F (40°C)
Maximum Relative Humidity	90% non-condensing
Electrical Service	100-240 VAC, 50-60 Hz, 1.2 A Max
Power Cable Length	69" (1753 mm)
Data Cable Length	6' (1.83 m)
Output Power	20 Watts x 2 into 4 Ohms
Frequency Response	20 Hz - 18 kHz +/- 3dB
Signal/Noise Ratio	>75 dB
Total Harmonic Distortion	<0.1% at 1 Watt, <1% at full output power

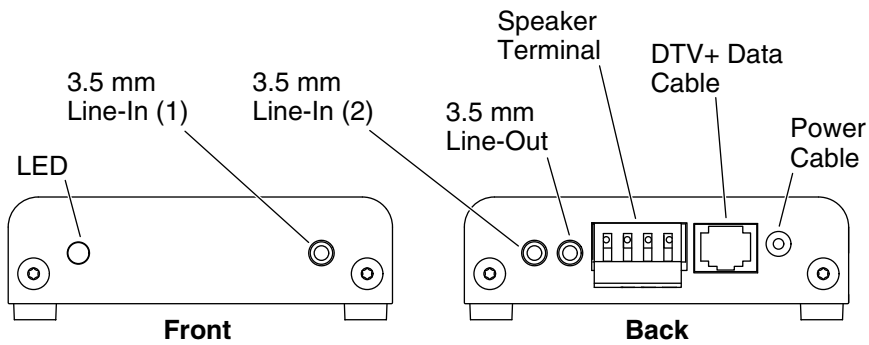
Tools and Materials



Plus:
• Wire Cutter/Stripper

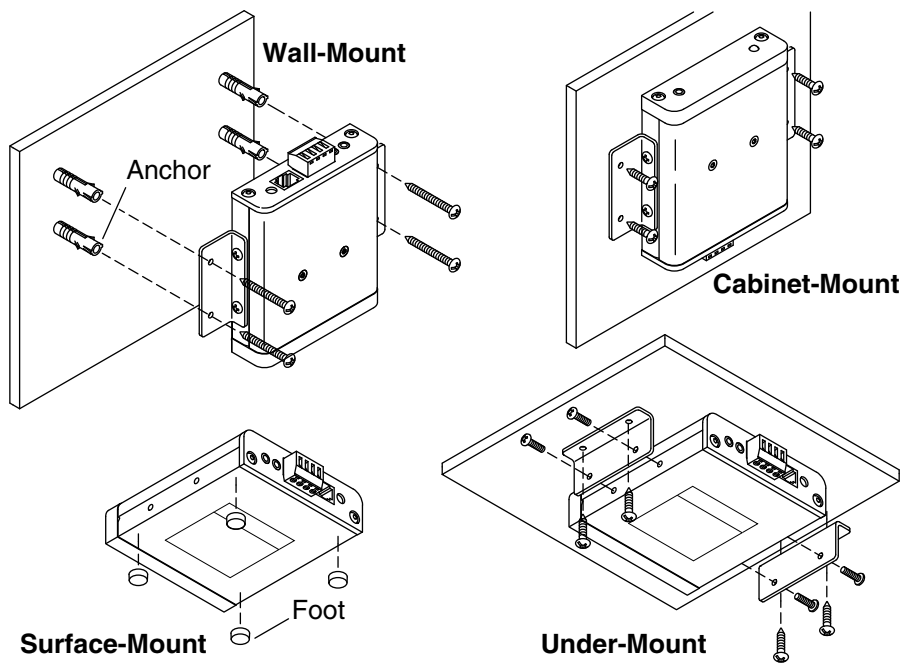
Before You Begin

- Determine amplifier and speaker locations before beginning installation. Test the BLUETOOTH® range between the amplifier and your wireless device when determining amplifier location.
- The amplifier can be mounted in any orientation. Use the supplied brackets or rubber feet to accommodate your mounting configuration.
- Locate the amplifier within close proximity to a 15 A, 120 V electrical outlet. A GFCI outlet may be required in certain applications.
- A qualified electrician should install any electrical outlet.
- If possible, install the electrical outlet prior to installing the amplifier.
- This amplifier complies with CE, FCC, and IC.



1. Preparation

- Plan the location of the amplifier to allow access to the front and back ports.
- To play your personal music files, you need a wireless BLUETOOTH device, or a device with a 3.5 mm stereo cable connection.
- The speaker terminal connections on the amplifier will accept a 12-24 AWG wire. Follow local codes for speaker wire type and routing.
- Allow adequate reach for wires between the amplifier and speaker locations.
- Make sure the LED light will be visible after installation.
- **For DTV+:** Allow adequate reach for the data cable between the amplifier and the system controller, or obtain a longer Ethernet-style cable or extension cable.



2. Installation

CAUTION: Risk of product damage. The amplifier is rated to operate in temperatures up to 104°F (40°C). Do not install near heat sources (such as radiators or heat registers) or in any location where the temperature may exceed 104°F (40°C).

NOTICE: Mount the amplifier in a dry location, and provide a minimum of 6" (152 mm) of space for proper air flow.

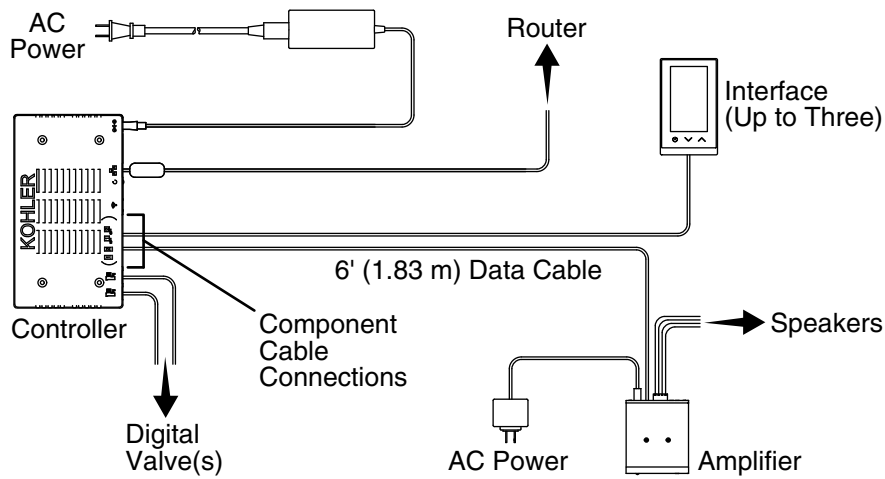
Mounting Options

- **Surface-mount:** Attach the four rubber feet to the underside of the amplifier to protect against scratching your shelf or countertop surface.
- **Cabinet-mount:** Install the amplifier using the mounting brackets and short screws.
- **Under-mount:** Flip the orientation of the brackets on the amplifier to install it in an upright position.
- **Wall-mount:** Secure the amplifier using the mounting brackets, long screws, and wall anchors (if needed).

Installation (cont.)

Bracket Installation

- Position the amplifier with attached brackets in the desired location.
- Mark the bracket hole locations with a pencil.
- Drill pilot holes or insert anchors as needed at the marked locations.
- Secure the brackets using the four screws provided.



3. DTV+ System Layout

The amplifier can be controlled digitally when connected to the K-99695 system controller. The controller powers the interface(s) and controls the amplifier and other system components.

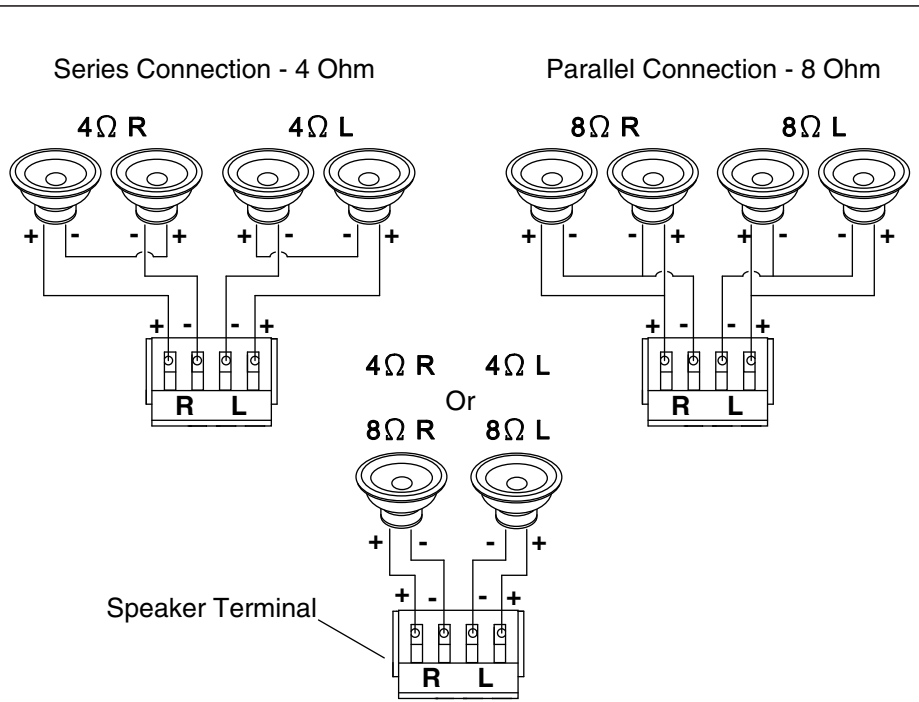
NOTE: A data cable is provided to connect the amplifier to the controller. If the amplifier is not within 6' (1.83 m) of the controller, obtain a longer Ethernet-style cable or add an extension cable.

- Disconnect the power from the amplifier and the controller.
- Connect one end of the data cable into the port on the back of the amplifier.
- Connect the other end of the cable into one of the eight grouped component ports on the controller.
- Reconnect the power to the amplifier and the controller.

Before Operating the DTV+ System For the First Time:

Download and install the latest software for connected components. This may take an hour or more to complete based on system configuration and internet connection speed. **Do not disconnect the power from any components during software download and installation.**

For more information on system setup and operation, refer to the guide on the controller product page at www.us.kohler.com.

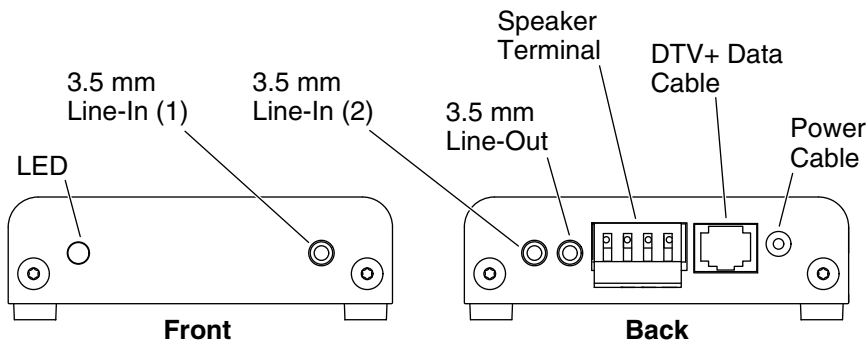


4. Speaker Connections

NOTE: This amplifier allows 2- or 4-speaker stereo output. Refer to the connection diagram above for your wiring configuration.

NOTE: The speaker terminal will accept a 12-24 AWG wire. Follow local codes for routing speaker wires.

- Disconnect the power from the amplifier.
- Using a wire stripper, remove approximately 1/2" (13 mm) of insulation from the speaker wire.
- Insert the wire into the appropriate positive (+) or negative (-) and right (R) or left (L) terminal connector.
- Repeat for the remaining speaker wires.
- Reconnect the power to the amplifier.
- Verify that the status LED light turns on.



5. Operation

NOTE: Set your music device to a midrange volume after connecting to the amplifier, but prior to sending an audio signal from the device.

Status LED Light

- **Yellow** = standby mode.
- **Blue blink** = standby mode with BLUETOOTH® connection.
- **Blue** = audio input from a BLUETOOTH device.
- **Green** = audio input from the front or back 3.5 mm line-in port.

3.5 mm Stereo Input

- A wired audio device can be connected to either the front or back line-in ports.
- The front line-in port (1) will override the back port (2).
- Once a signal is detected from the device, the LED will turn green and the audio input will fade in.
- If the LED does not turn green when the device is turned on, increase the volume on the device.
- Audio input may be slightly delayed when a device is initially connected.

Wireless Input

- Once a BLUETOOTH device is connected, the LED will blink blue.
- The amplifier will display on the device as "Kohler KA02."
- If a BLUETOOTH pin is required, enter "0000."

Operation (cont.)

NOTE: If connected to a DTV+ system, the pin and device name can be changed using the controller Web pages.

- Upon receiving a wireless signal, the LED will turn solid blue and the audio input will fade in.
- Wireless input will override any signal that may be coming from the front or back line-in ports.

3.5 mm Stereo Output

- A line-out port is available to provide unamplified stereo output of the audio signal that can be fed to another external device.

Standby Mode

- If no audio signal is detected for 30 seconds from the 3.5 mm line-in ports, the amplifier will go into standby mode and the LED will turn yellow.
- **BLUETOOTH Standby:** If no audio signal is detected for 30 seconds from a connected wireless device, the amplifier will go into BLUETOOTH standby mode and the LED will change from solid blue to blue blink.

DTV+ Operation

- For information on operating the amplifier using the DTV+ system, refer to the guide on the K-99695 controller product page at www.us.kohler.com.

Troubleshooting

IMPORTANT! Turn off the power supply before performing any maintenance.

NOTE: For DTV+ system troubleshooting, refer to the guide on the K-99695 controller product page at us.kohler.com.

NOTE: For service parts information, visit your product page at kohler.com/serviceparts.

This troubleshooting guide is for general aid only. For service and installation issues or concerns, call 1-800-4KOHLER.

Troubleshooting (cont.)

Troubleshooting Table

Symptoms	Probable Cause	Recommended Action
1. One or both speakers do not produce sound, or sound is too low in a two speaker setup.	A. Speaker cable is not plugged in properly.	A. Make sure the cables are properly installed into the amplifier connections and to the left and right speakers.
2. One or more speakers do not produce sound, or sound is too low in a four speaker setup.	A. Damaged speaker or speaker not plugged in. B. Speaker cable is not connected properly.	A. Make sure the speaker cables are properly installed into the appropriate positive (+) and negative (-) connectors on the amplifier. B. Connect 4 Ohm speakers in series and 8 Ohm speakers in parallel.
3. After playing music loudly, the music stops even though a song is properly selected.	A. Thermal shut down.	A. Shut down the system for 1 hour to allow the unit to cool. Make sure the area where the unit is installed does not exceed 104°F (40°C).
4. The status LED is not illuminated.	A. Power supply is not plugged into the outlet. B. Power supply connection to the amplifier may be loose or disconnected. C. The outlet is not powered. D. Circuit breaker has been tripped.	A. Plug the power supply into the outlet. B. Check power supply connection to the amplifier and reconnect if needed. C. Make sure there is power to the electrical outlet. D. Reset the circuit breaker.

Troubleshooting (cont.)

Troubleshooting Table

Symptoms	Probable Cause	Recommended Action
5. No sound plays through the speakers.	A. The song is paused. B. The volume is too low.	A. Make sure a song is playing. If the song is paused, press the resume feature to continue playback. B. Make sure the volume is turned up high enough for proper enjoyment.
6. The amplifier is not connecting to my BLUETOOTH® device.	A. The BLUETOOTH device is not within range. B. The BLUETOOTH device is not paired with the amplifier.	A. Make sure the BLUETOOTH device is within range of your amplifier. B. Pair your BLUETOOTH device with the amplifier according to the pairing instructions for your BLUETOOTH device.
7. The LED is blue, but the audio signal is intermittent.	A. The BLUETOOTH device is not within full range.	A. Move the BLUETOOTH device closer to the amplifier location.

Warranty

KOHLER® Electronic Faucets, Valves and Controls FIVE-YEAR LIMITED WARRANTY

Kohler Co. warrants that its electronic faucets, valves and controls will be free of defects in material and workmanship during normal residential use for five years from the date the product is installed. This warranty applies only to electronic faucets, valves and controls installed in the United States of America, Canada and Mexico ("North America").

If a defect is found in normal residential use, Kohler Co. will, at its election, repair, provide a replacement part or product, or make appropriate adjustment where Kohler Co.'s inspection discloses any such defect. Damage caused by accident, misuse, or abuse is not

Warranty (cont.)

covered by this warranty. Improper care and cleaning will void the warranty*. Proof of purchase (original sales receipt) must be provided to Kohler Co. with all warranty claims. Kohler Co. is not responsible for labor charges, installation, or other incidental or consequential costs other than those noted above. In no event shall the liability of Kohler Co. exceed the purchase price of the faucet, valve or control

If you believe that you have a warranty claim, contact your Home Center, Dealer, Plumbing Contractor or E-tailer. Please be sure to provide all pertinent information regarding your claim, including a complete description of the problem, the product, model number, the date the product was purchased, from whom the product was purchased and the installation date. Also include your original invoice.

For other information, or to obtain the name and address of the service and repair facility nearest you, write Kohler Co., Attn: Customer Care Center, Kohler, Wisconsin 53044 USA, or by calling 1-800-4-KOHLER (1-800-456-4537) from within the USA and Canada, and 001-800-456-4537 from within Mexico, or visit www.kohler.com within the USA, www.ca.kohler.com from within Canada, or www.mx.kohler.com in Mexico.

THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

KOHLER CO. AND/OR SELLER DISCLAIM ANY LIABILITY FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states/provinces do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of such damages, so these limitations and exclusions may not apply to you. This warranty gives the consumer specific legal rights. You may also have other rights that vary from state/province to state/province. This warranty is to the original consumer purchaser only, and excludes product damage due to installation error, product abuse, or product misuse, whether performed by a contractor, service company, or the consumer.

This is Kohler Co.'s exclusive written warranty.

*Never use cleaners containing abrasive cleansers, ammonia, bleach, acids, waxes, alcohol, solvents or other products not recommended for chrome. This will void the warranty.