



HDA-SW5 OWNER'S MANUAL



TOTAL CONTROL

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Congratulations!

The **HDA-SW5 Gigabit AVB Network Switch** is URC's 5-port gigabit network switch! This document highlights product features, LED status conditions, basic installation, and general speaker wiring instructions.

For questions on how this device operates contact your **certified URC Integrator** or **URC's Technical Support Team!**



Technical Support

Toll Free: 800-904-0800

Main: 914-835-4484

techsupport@urc-automation.com

Hours: 9:00am - 6pm EST M-F

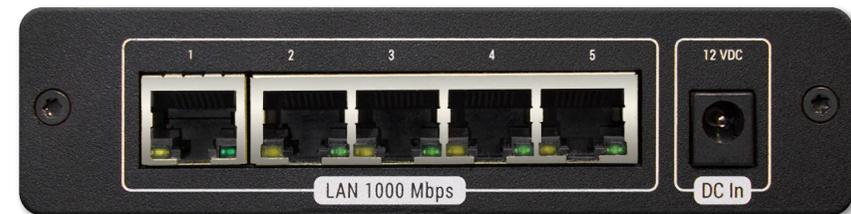
Overview

URC's **HDA-SW5** is required for the HDA system to function within a Total Control system. This 5-port gigabit network AVB (**A**udio **V**ideo **B**ridging) switch effortlessly manages and routes network traffic.

Multiple HDA-SW5 switches can be "**daisy-chained**" in an HDA installation. **Up to seven (7) HDA-SW5 devices can be installed** in a system with no audible latency.

Features & Benefits:

- **Plug and Play:** The HDA-SW5 AVB Network Switch **does not require special setup** via web portal or software suite.
- Supports **10/100/1000** LAN for AVB devices and other typical network connected devices such as television, gaming systems, and more.
- Up to seven (7) **HDA-SW5 AVB Network Switches can be installed** in a single Total Control system.



Parts & Pieces

Included with the HDA-SW5 is the following:

CONTENTS

- | | | | |
|----------|-----------------------------------|----------|---------------------------|
| 1 | HDA-SW5 Gigabit AVB Switch | 5 | 4 L Bracket Screws |
| 2 | 12 VDC Adapter | 6 | 4 Rubber Feet |
| 3 | US, UK, Euro Plug Adapter | | |
| 4 | Left/Right L Brackets | | |

Front Panel Descriptions

There is only one (1) LED on the front panel of the HDA-SW5:

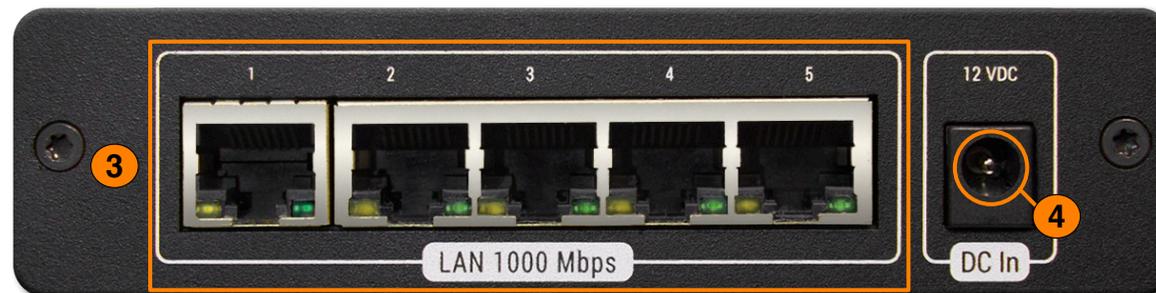
- 1. Power LED:** Indicates one (1) of the following:
 - **Solid Blue:** When DC power is applied to the device via the DC input port and has successfully booted.
 - **Off:** When power has been removed from the device.
- 2. Reset Button:** Tap the **Reset button** once to power cycle the HDA-SW5 AVB Network Switch.



Rear Panel Description - Using as a Stream Injector

Below are the available connections on the rear of the HDA-SW5:

1. **DC IN:** Connect the **supplied 12V DC adapter** to this port to power the HDA-SW5 AVB Network Switch.
2. **Lan Ports 1-5:** All five (5) ports support AVB switching and normal LAN devices. Any port can be used to connect a non HDA streaming device to the network (such an MRX-30 Advanced Network System Controller).



Installation Instructions

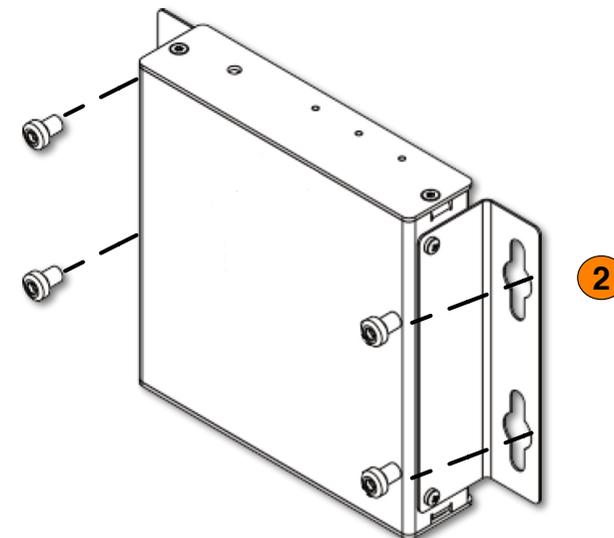
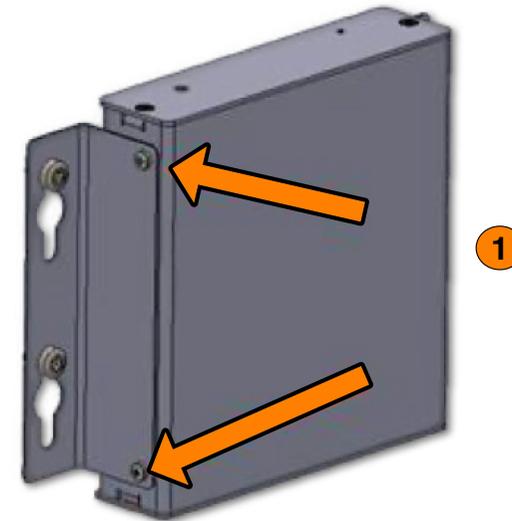
The HDA-SW5 amplifier is supplied with two (2) "L" shaped brackets for mounting on the wall or secure vertical surface.

1. Insert the supplied screws into the two (2) keyed slots on the L shaped bracket (as displayed on the image at the right).

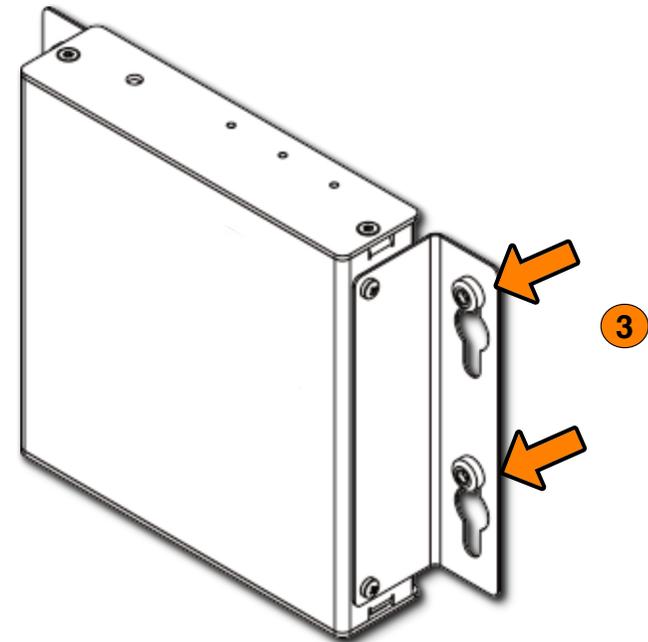
This L shaped bracket **can be pre-installed** and the HDA-SW5 amplifier can be inserted afterwards.

2. Insert the supplied screws into the four (4) keyed slots for wall mounting.

Keyhole Diameter: 0.48"/12.5mm



3. Assure that all screws have been installed securely.



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Installation Example



INTERNET



CABLE MODEM



LOCAL ROUTER

1

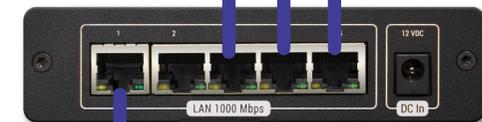
Connect the **HDA-SW5** south of the local router.



HDA-8100



HDA-130



HDA-SW5 AVB
NETWORK SWITCH

2

Connect an Ethernet cable from port 1 on the **HDA-SW5** to any available LAN port on the local router.

3

Use ports 2-5 on the **HDA-SW5** to connect HDA products and other network devices.

7

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Daisy-Chaining the HDA-SW5



INTERNET



CABLE MODEM



LOCAL ROUTER

1 Connect the **HDA-SW5** south of the local router.

2 Connect an Ethernet cable from any available LAN port on the local router to **port 1** on the **HDA-SW5**.

3 Connect an Ethernet cable from **port 2** on the **HDA-SW5** to **port 1** on the second **HDA-SW5**.

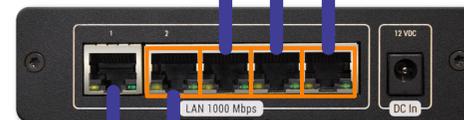
4 HDA Amplifiers and devices can be connected to **ports 3-5 on the first HDA-SW5** and **ports 2-5 on the daisy-chained HDA-SW5**.



HDA-8100



HDA-130



HDA-SW5 AVB
NETWORK SWITCH



HDA-130

Specifications

Network:

- 5 x 10 / 100 / 1000 LAN ports with AVB capability

Height x Width x Depth:

- 1.44" x 4.94" x 5"

Weight:

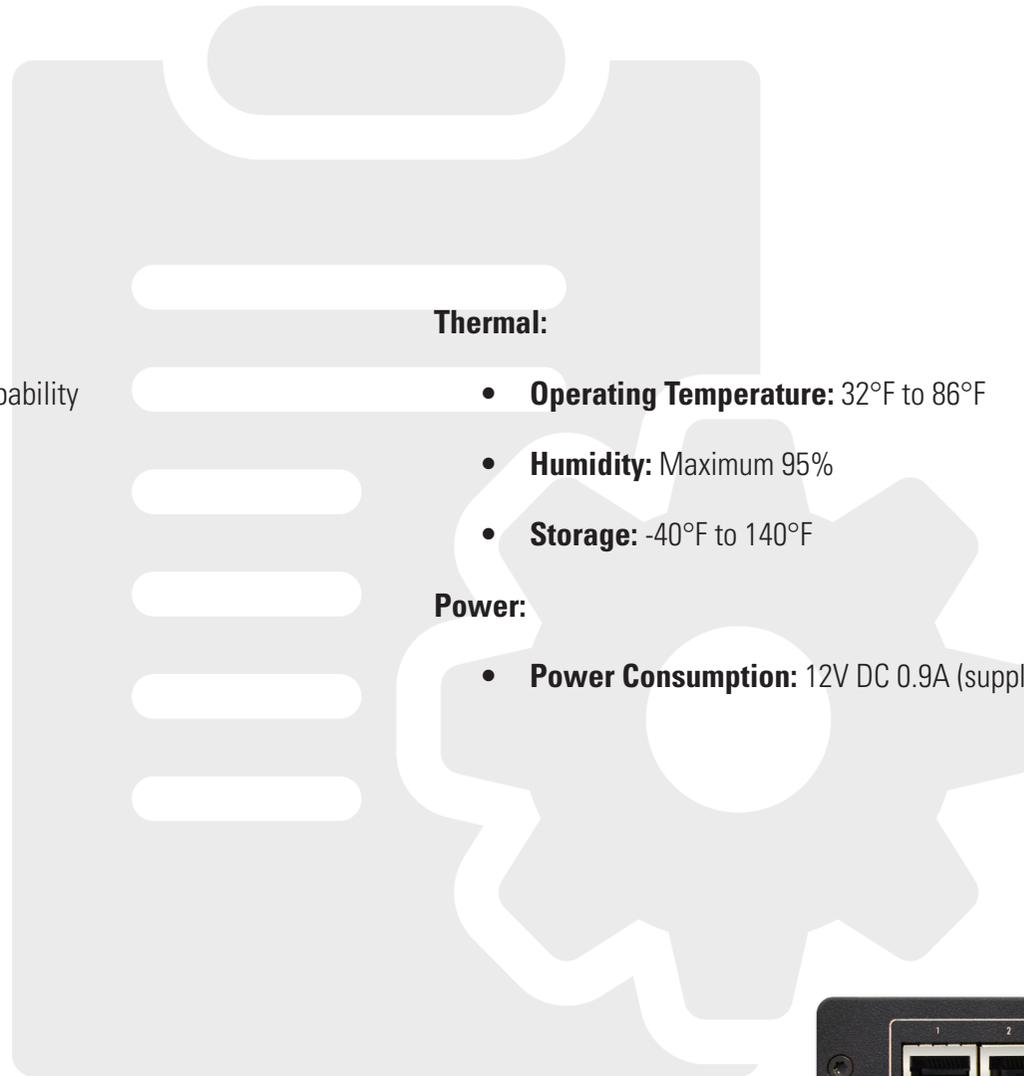
- 0.65 lbs

Thermal:

- **Operating Temperature:** 32°F to 86°F
- **Humidity:** Maximum 95%
- **Storage:** -40°F to 140°F

Power:

- **Power Consumption:** 12V DC 0.9A (supplied adapter)

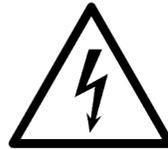


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SAFETY PRECAUTIONS

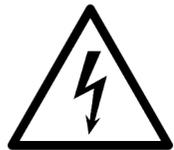


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION

TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICE TO A QUALIFIED SERVICE PROFESSIONAL



The **lightning flash with arrowhead symbol**, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The **exclamation point within an equilateral triangle** is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION
TO PREVENT ELECTRICAL SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSET.

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.

TOTAL CONTROL

Important Safety Instructions

- **Read Instructions:** All the safety and operating instructions should be read before the apparatus is operated.
- **Retain Instructions:** Safety and operating instructions should be retained for future reference.
- **READ** all warnings!
- **FOLLOW** all instructions.
- In the event of malfunction, unplug **IMMEDIATELY**.
- Do NOT use the apparatus near **WATER**.
- Clean only with a dry cloth.
- **DO NOT BLOCK** any ventilation openings.
- Do **NOT** install the apparatus upside down.
- Do **NOT** install inside any type of ventilation or AC duct.
- Do **NOT** install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do **NOT** defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- **ONLY** use the attachments/accessories specified by the manufacturer.
- **Protect** the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Use **ONLY** with the cart, stand, tripod, 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.
- Unplug the apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



Caution

- The ventilation should not be impeded by covering the ventilation openings with items such as newspapers, tablecloths, curtains, etc.
- No naked flame sources, such as lighted candles, should be placed on the unit.
- Minimum distances around the apparatus for sufficient ventilation:
20 centimeters
- The product is used in moderate climates.
- Do not expose the unit dripping or splashing fluids, do not place objects filled with liquids, such as vases, on the unit.

TOTAL CONTROL

Federal Communications Commission

Interference Statement

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 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.

Warning!

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

FCC Caution

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 authority to operate equipment.

TOTAL CONTROL

Limited Warranty Statement

1. Limited Warranty and Disclaimers

Universal Remote Control, Inc. ("URC") warrants that URC equipment purchased directly from URC or from an authorized URC dealer or distributor shall be free from defects in material and workmanship under normal usage for a period of one (1) year from the date of purchase of the product by the end-user, but no longer than thirty-six (36) months from the date of shipment of the URC equipment by URC to an authorized URC dealer or distributor, except that with respect to Total Control® whole-house products, the warranty extends for two (2) years from the date of purchase by the end-user, but no longer than forty-eight (48) months from the date of shipment of the URC equipment by URC to an authorized URC dealer or distributor.

This limited warranty is valid only in the United States of America.

URC equipment purchased from other than an authorized URC dealer or distributor is without warranty.

URC warrants that the software will substantially conform in any material respect to its functional specifications at the time of delivery. URC SHALL NOT BE LIABLE FOR OPERATIONAL, TECHNICAL OR EDITORIAL ERRORS AND/OR OMISSIONS MADE IN THE URC DOCUMENTATION. URC DOES NOT WARRANT THAT THE URC SOFTWARE IS BUG-FREE OR ERROR FREE OR THAT THERE ARE NO ERRORS/BUGS IN THE URC SOFTWARE.

URC warrants that at the time of purchase the URC equipment and the URC software complied with all applicable regulations and policies of the Federal Communications Commission ("FCC") regarding electromagnetic interference caused by electronic/computing devices and to the extent that the URC equipment and/or the URC software fails to so comply, URC shall, at its own expense, take all reasonable measures to promptly cause such to comply.

THIS LIMITED WARRANTY DOES NOT COVER TECHNICAL ASSISTANCE FOR HARDWARE OR SOFTWARE USAGE EXCEPT AS EXPRESSLY PROVIDED FOR HEREIN.

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WITHOUT IN ANY WAY LIMITING THE GENERALITY OF THE OTHER PROVISIONS HEREIN, THIS LIMITED WARRANTY DOES NOT COVER: (I) DAMAGE FROM MISUSE, NEGLIGENCE OR ACTS OF NATURE, (II) MODIFICATIONS, (III) INTEGRATION WITH THIRD PARTY CONTENT, OR (IV) BEYOND THE WARRANTY PERIOD AND/ OR FAILURE TO FOLLOW URC WARRANTY CLAIM PROCEDURE.

The warranty limitations and warranty disclaimers may not apply to end user

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in whole or in part, where such are restricted or excluded by applicable law, and such shall apply to the maximum extent permitted by applicable law.

In the event of any warranty claim, URC will, at its sole option, repair the URC equipment using new or comparable rebuilt parts, or exchange the URC equipment for new or rebuilt equipment. In the event of a defect, these are the end user's exclusive remedies.

All the URC equipment returned for service, exchange or repair require an RGA number. To obtain an RGA number, you must complete a Return Request Form which you may obtain by calling (914) 835-4484 or contacting URC at returnrequest@urc-automation.com. To obtain warranty service, end user must deliver the URC equipment, freight prepaid, in its original packaging or packaging affording adequate protection to URC at 37 Ramland Road, Unit 104, Orangeburg, NY 10962. It is end user's responsibility to backup any macro programming, artwork, software or other materials that may have been programmed into the unit. It is likely that such data, software, or other materials will be lost during service and URC will not be responsible for any such damage or loss. A dated purchase receipt, bill of sale, installation contract or other verifiable proof of purchase is required. For the URC equipment support and other important information, please visit URC's website available at www.urc-automation.com or call the Customer Service Center at (914) 835-4484.

This limited warranty only covers the URC equipment issues caused by defects in material or workmanship during ordinary consumer use. It does not cover product issues caused by any other reason, including but not limited to product issues due to commercial use, acts of God, third-party installation, misuse, limitations of technology, or modification of or to any part of the URC equipment. This limited warranty does not cover the URC equipment sold as used, as is, refurbished, so called "B stock" or consumables (such as batteries). This limited warranty is invalid if the factory applied serial number

has been altered or removed from the URC equipment. This limited warranty specifically excludes the URC equipment sold by unauthorized resellers.

With the exception of URC's IR-only, broad-based consumer remotes, none of URC's PC programmable remotes or any of our Total Control® whole-house equipment are authorized for online internet sales. Buying URC's PC programmable remotes or any of our Total Control® whole-house equipment online means buying equipment that does not have URC's limited warranty. Such equipment is not eligible for URC tech support or software support, either.

2. URC's Limitation of Liability

IN NO EVENT SHALL URC BE LIABLE FOR INDIRECT, SPECIAL, INCIDENTAL, EXEMPLARY, PUNITIVE OR CONSEQUENTIAL DAMAGES OF ANY KIND OR LOSS OF PROFITS OR BUSINESS OPPORTUNITY, EVEN IF URC IS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

IN NO EVENT SHALL URC BE LIABLE FOR LOSS OF OR DAMAGE TO DATA, COMPUTER SYSTEMS OR COMPUTER PROGRAMS.

URC'S LIABILITY, IF ANY, FOR DIRECT DAMAGES OF ANY FORM SHALL BE LIMITED TO ACTUAL DAMAGES, NOT IN EXCESS OF AMOUNTS PAID BY END USER FOR THE URC EQUIPMENT.

IN NO EVENT SHALL URC BE LIABLE FOR ANY EVENTS BEYOND ITS CONTROL, INCLUDING ANY INSTANCE OF FORCE MAJEURE.

IN NO EVENT SHALL URC BE LIABLE FOR THE ACTS OR OMISSIONS OF END USER OR ANY THIRD PARTY.

THE LIMITATIONS OF LIABILITY MAY NOT APPLY TO END USER IN WHOLE OR IN PART, WHERE SUCH ARE RESTRICTED LIMITED OR EXCLUDED BY APPLICABLE LAW AND SUCH SHALL APPLY TO THE MAXIMUM EXTENT

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PERMITTED BY APPLICABLE LAW.

URC SHALL NOT BE HELD RESPONSIBLE FOR THE STATEMENTS MADE BY OTHERS.

SOME STATES OR JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO END USER. THIS LIMITED WARRANTY GIVES END USER SPECIFIC LEGAL RIGHTS AND END USER MAY HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE OR JURISDICTION TO JURISDICTION.

End User Agreement

The terms and conditions of the End User Agreement are available at:

<https://www.urc-automation.com/legal/end-user-agreement/>