Owner's Manual
DMS-100
Single Zone Amplifier

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Congratulations!

You've purchased the finest music distribution system available today. The DMS-100 is a native to the network, CD quality digital music distribution system with an available range of keypads and remote controls that not only fully control your music but control all of your other audio video components.

The DMS-100 distributes music to your speakers and other DMS components in the system. This makes your system scalable, and easy to add additional rooms at any time in the future. All you need is a DMS amplifier connected to the network to make any room a new DMS Music Room.

The DMS-100 is designed for professional installation only. Your installer will help you select the right user interface for every room of your installation. You'll have a choice of Total Control in-wall keypads and remote controls.

If you have questions, call your installer:

Company:

Installer Name:

Contact #:

Email address:

The customer service center is also available for any questions you may have. Contact us at:

1-914-835-4484

or email us at:

techsupport@universalremote.com

Features and Benefits

- One audio input streams to other Total Control amplifiers.

- Preamp output for connection to local amplifier.

- Scalable solution; install as an additional zone with a DMS-1200 system, or install multiple DMS-100s to create customized multi-zone system.

- 50 Watts per channel amplifier for speakers.

- Can be programmed off premises via the internet and MRX-10.

Parts Guide

The DMS-100 Single Zone Amplifier includes:

1 - DMS-100 Single Zone Amplifier	1 - Power Cord
1 - Ethernet Cable	1 - Installation Manual

Front Panel Description
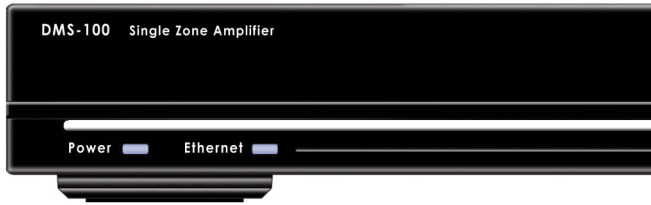
Power and LAN LEDs
LEDs indicate that the DMS-100 is connected to power and to the local area network.

Automatic Power Off
The DMS-100 is powered off and is in an automatic stand by state when no zones are active.

Reset Button
The front panel reset button offers the end user a quick way to reconnect the DMS-100 to the local area network.

System Features
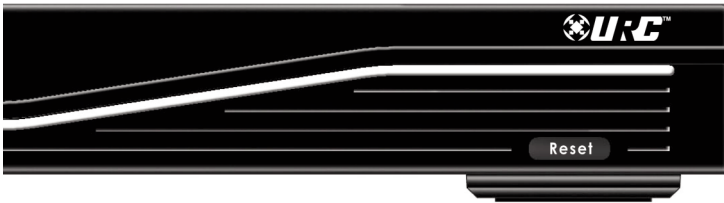
Pristine Audio Quality

Unlike other digital music systems, the DMS system streams all music uncompressed at pure CD quality levels. You enjoy all the detail of your original source.

Room Linking

Any room can be linked with any other room to listen to the same source. This makes it easy for you to entertain by simply linking all the rooms your guests will be in and controlling the music from any remote or keypad.

Reliability

The DMS-100 is engineered first and foremost for reliability. It offers extensive internal protection against failure and is manufactured in our ISO 9000 certified factory with the utmost attention to quality control at every stage of manufacturing, from parts procurement to final assembly.

Rear Panel Description
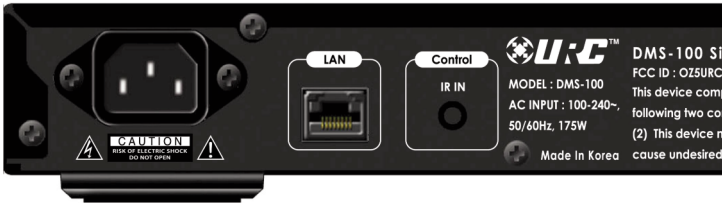
100V-220V Power Connection
The IEC power socket enables either UL/CSA approved 110V power cords or CE approved 220V power cables to be used with the DMS-100. The internal power supply automatically switches from 100V to 240V.

Network Connection
A 10/100 LAN connection ensures that the DMS-100 will receive all network streams from other DMS or SNP sources.

IR In for 1-Way RF Remotes and Base Stations
When connected to a URC RF base station, a one-way URC remote control can be programmed to control a zone.
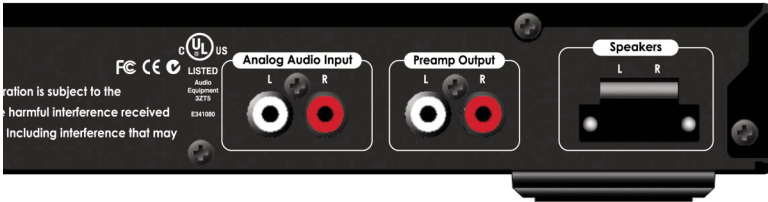
Analog Audio Input
Connect a music source to the DMS-100 to listen locally to an AV receiver.

Preamp Zone
The preamp zone enables use of external power amplifiers for a room with a need for more or less power than 50 watts per channel.

Speakers
The DMS-100 internal amplifier powers a pair of 8 ohm speakers with 50 watts per speaker. The speakers can deliver output from any DMS source.

Important Safety Instructions

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

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.

This unit shall be connected to a mains socket outlet with a protective grounded connection or equivalent.

CAUTION:
To completely disconnect this product from the mains, disconnect the plug from the wall socket outlet. The mains plug is used to completely interrupt the power supply to the unit and must be within easy access by the user.

CAUTION:
These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so or equivalent.

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. In the event of malfunction, un plug Immediately.
6. Do not use this apparatus near water.
7. Clean only with dry cloth.
8. Do not block any ventilation openings.
   Install in accordance with the manufacturer's instructions.
9. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus(including amplifiers) that produce heat.
10. 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.
11. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
12. Only use attachments/accessories specified by the manufacturer.
13. 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.
14. Unplug this apparatus during lightning storms or when unused for long periods of time.
15. Refer all servicing to qualified service personnel.
    Servicing is 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 : 20centimeter
- This product is use in moderate climates.
- Do not expose the unit to dripping or splashing fluids, do not place objects filled with liquids, such as vases, on the unit.

Federal Communication 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.

Note : The manufacturer is not responsible for any Radio or TV interference caused by unauthorized modifications to this equipment. Such modifications 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.

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.

CERTAIN IMPLIED WARRANTIES, INCLUDING AN IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, MAY BE AVAILABLE WITH RESPECT TO URC EQUIPMENT. IMPLIED WARRANTIES VARY FROM STATE TO STATE. URC EXPRESSLY LIMITS THESE IMPLIED WARRANTIES, TO THE EXTENT ALLOWABLE BY LAW, TO THE TIME PERIODS COVERED BY THE EXPRESS WRITTEN WARRANTIES PROVIDED HEREIN. OTHERWISE AND EXCEPT AS PROVIDED FOR HEREIN, URC EXPRESSLY DISCLAIMS ALL WARRANTIES, EXPRESS, STATUTORY OR IMPLIED, AND MAKES NO REPRESENTATIONS REGARDING THE USE OF, OR THE RESULTS OF THE USE OF, THE EQUIPMENT, SOFTWARE OR DOCUMENTATION IN TERMS OF CORRECTNESS, ACCURACY, RELIABILITY OR OTHERWISE.

EXCEPT AS EXPRESSLY PROVIDED FOR HEREIN, TECHNICAL SERVICES ARE SUPPLIED "AS IS", WITHOUT ANY WARRANTY, EXPRESS, STATUTORY OR IMPLIED, OF ANY KIND. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, URC EXPRESSLY DISCLAIMS ALL WARRANTIES RELATING TO TECHNICAL SERVICES, EXPRESS, STATUTORY OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF QUALITY OR REASONABLE SKILL AND CARE, OR OUTCOME OR RESULTS.

WITHOUT IN ANY WAY LIMITING THE GENERALITY OF THE OTHER PROVISIONS HEREIN, THIS LIMITED WARRANTY DOES NOT COVER: (I) DAMAGE FROM MISUSE, NEGLECT 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 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@universalremote.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 420 Columbus Avenue, Valhalla, NY 10595. 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.universalremote.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 LIMITATIONS 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 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 available at www.universalremote.com/eua.php shall apply.

Specifications

Network	One 10/100 Ethernet port (Indicator Two LED)
IR One Way & IP Two Way Control:	Yes
Indicators:	One Power Blue LED - Blink when resetting/One Network Blue LED indicator
Zones of Stereo Audio:	One (preamp and speaker output are linked)
Rated Wattage per Channel:	50 watts per channel at 8 ohms, stable to 4 ohms
Automatic Low Volume Loudness Compensation:	Installer configured for type and size of audio zone
Installer Configured EQ:	Bass Boost, Treble Boost, 5-Band parametric EQ
Input Sensitivity:	600~2200mVp-p / 10Kohm
User Adjustable Audio Controls:	Bass, Treble and Balance
Receives all SNP and DMS Generated Streams:	Yes
Inputs:	One Stereo Line input streams to all other DMS Amplifiers
Preamp Output:	Yes, configurable to Fixed Line Level Output
Power Supply:	AC 100-240V, 50/60Hz
Power Consumption:	175Wmax
Maximum external Dimensions:	1.7″ x 17″ x 8.7″ (H X W X D)
Weight:	7lbs (3.2Kg)

System Configuration for Internal LAN Network

Internet — Cable Modem — WiFi Router MFS-8 — DMS-100 — PC
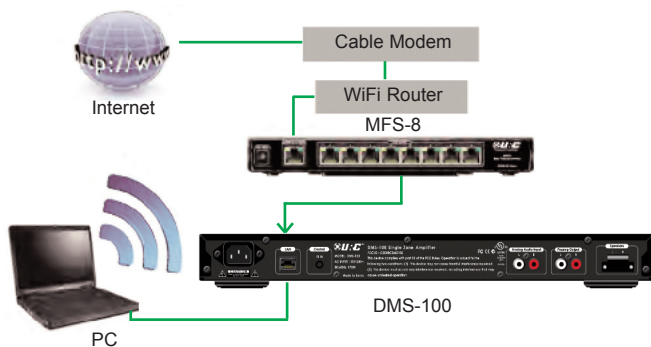
Follow the steps below to connect a DMS-100 to a LAN network.

1. Connect the Internet to the coaxial CABLE port in the rear of the cable modem.
2. Plug in a RJ-45 ethernet connector cable via the Ethernet port of the cable modem to the WAN port of the Router.
3. Connect a second RJ-45 cable to a LAN port of the Router and plug the other end to the LAN 10/100 port on the rear of the MFS-8/MFSPOE-8 network Switch.
4. Connect a third RJ-45 cable to connect the DMS-100 LAN port to one of the eight 10/100 Smart ports.
5. Plug the power supply to the DMS-100 and then plug it in to an unswitched AC outlet.
6. Connect a PC computer to the same LAN as the DMS-100 or plug an ethernet cable directly to the LAN port of the DMS-100. Now the computer can control and adjust the manufacturer's audio control program.

• Select audio INPUT source and OUTPUT zone, MAC address etc. This function selects input source channel and INPUT gain level and data sent to audio equipment.
• After selecting the output zone, adjust the zone limit power rate and zone power ON/OFF and source signal INPUT channel.
• Adjust the amplifier volume level per each zone for proper sound output and maximum limitation volume level.
• Turn on the ramp up volume level and adjust the equalizer repertory and low volume loudness control effectiveness and custom equalizer align.

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Europe Certificate Of Conformity

Universal Remote Control, Inc. declares that this product complies with the requirements CE/LVD (Low Voltage Directive, 2006/95/EC). Certificated Attestation of compliance "E8N 10 10 75224 001" is issued according to the Directive 2004/108/EC relating to electromagnetic compatibility on a voluntary basis and is in compliance with the corresponding technical standards such as EN55013, EN55020, EN55022, EN55024/A2, EN61000-3-2, EN61000-3-3 and EN60065 A/V. A copy of the full Certificate of Conformance may be obtained at "http://www.universalremote.com"

Control the Experience.

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Phone: (914) 835-4484 Fax: (914) 835-4532
www.universalremote.com

OCE-0099C Rev 04_RH