



ProFusion® DS

USER GUIDE



CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN NO USER-SERVICEABLE PARTS INSIDE



This symbol is intended to inform users that internal parts may cause electrical shock and injury.



This symbol is intended to inform users of important operational instructions and clarifications.



WARNING!



To reduce the risk of fire, electric shock, or injury:

- Do not use ProFusion® DS if it has been exposed to water.
- Do not use ProFusion DS if it has been dropped and or damaged.
- Do not use ProFusion DS with a damaged power cord.
- Do not unplug by pulling on the cord.
- Do not restrict case airflow by blocking or inserting objects into case ventilation openings.
- Do not use in environments with excessive heat, humidity, magnetic fields, or dust.
- Place ProFusion DS only on a stable surface of sufficient size and strength where it will not be exposed to excessive vibration.
- Do not overload power outlets.
- Route all cables safely. Do not place any items on or against the cables.
- Do not allow children to operate without supervision.
- Use only attachments that are approved by DMX, Inc.

Safety Agency Listings

This product was tested and found to be fully compliant with

FCC Part 15 Subpart B/Class A

CE Class A

C-Tick/Class A

cTUVus TUV CB Scheme

RoHS Compliant

WEEE marked



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Features

What is ProFusion DS?

ProFusion® DS is an audio playback device that is located on-site at your business and looks like traditional commercial sound equipment. ProFusion DS is the most convenient way to bring expertly programmed, commercial-free music into your business. ProFusion DS is engineered to integrate with most commercial sound systems. The ease-of-use and simple set-up allows you to connect your ProFusion DS to your amplification system and begin enjoy continuous music.

ProFusion DS Overview

Included with your ProFusion DS is an Opening Disc Library (ODL). The ODL will include one disc per each style of music you have selected. Once ProFusion DS has been powered on, simply insert a disc and playback will begin within 45 seconds.

As a ProFusion DS customer you will receive new music on a 30, 60 or 90-day disc rotation. One disc will be provided at each rotation based on your selected music styles.

ProFusion DS Features

- Up to 30 hours of music per disc
- Single zone playback capability
- Marketing MOH (Message On Hold) functionality
- Simple User Interface

Getting Started

Checking the Package Contents

- (1) ProFusion DS playback device
- (1) ProFusion DS User Guide
- (1) 6' (183cm) 18AWG power cord
- (1) 6' (183cm) Mono RCA male-to-male audio cable (second cable will be included with ProFusion DS configured with MOH zone)
- (1) Open Disc Library (ODL) (not included with service replacement ProFusion DS devices)

Any additional or different cables required to complete the installation will need to be obtained separately.

Please keep all packaging material for later use if your ProFusion DS must be re-shipped.

Installation and Setup

Placement Guidelines

- ProFusion DS is designed to be placed horizontally and right-side up. Other positions may cause problems with air flow within the case and may significantly shorten the lifespan of the components.
- ProFusion DS should be placed in a clean, well-ventilated area. Do not stack items on or against your ProFusion DS as this can create excessive heat and/or static electricity charge problems.
- ProFusion DS should only be placed on a surface of adequate strength and stability and free of excessive vibration.
- Ensure all cabling is routed properly and safely. This will avoid tripping hazards that could pull your ProFusion DS off the surface you have placed it on.
- Ensure your ProFusion DS is plugged into a properly grounded, always-on AC electrical outlet.

Note: Do not plug your ProFusion DS into a switched outlet, such as power strips or other outlets that may be inadvertently turned off. This can lead to improper shutdowns which will likely shorten the life of the equipment.

Rack Placement

- If your ProFusion DS is going to be installed in a rack, at least 6½" (16.5 cm) (4RU) vertical rack space will be required.
- Do not improvise a rack mount solution; instead, install a rack shelf suitable for approximately 20 lbs (9.1 kg) of weight, and place your ProFusion DS on the shelf.

Note: ProFusion DS has been designed to be rack mounted. Please contact DMX Customer Service if you would like to order a rackmount kit. See "Appendix C: Contact DMX" (p. 11).

Connecting ProFusion DS

Turn off your amplification equipment and the volume completely down before installing your ProFusion DS.

- ProFusion DS should not be plugged into the AC outlet found on the rear of some audio amplification equipment due to potential grounding issues. Only plug ProFusion DS into properly grounded electrical outlets.
- ProFusion DS should always be plugged into unswitched AC outlets so that it is not inadvertently powered off.
- Always power off ProFusion DS by pressing the POWER button.

Follow the steps below to connect your ProFusion DS to your amplification equipment:

- STEP 1** Connect one end of the RCA audio cable with into the white RCA jack labeled *ZONE 1* on the rear panel of your ProFusion DS. Connect the other end of the RCA cable into the corresponding input of your amplification equipment.

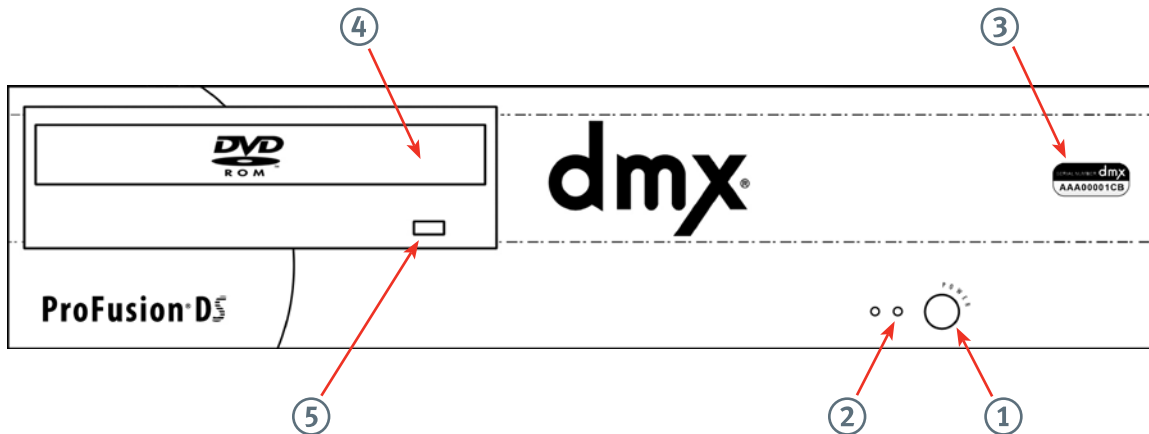
Note: *If your ProFusion DS is configured for only one zone, the audio for that zone will output from both the Zone 1 and Zone 2 RCA jacks. Connect one end of the RCA audio cable into the red RCA jack labeled "ZONE 2" on the rear panel of your ProFusion DS. Connect the other end of the RCA cable into the corresponding input of your amplification equipment.*

- STEP 2** (Optional) If your service includes the Messaging On Hold (MOH) feature, connect one end of the RCA audio cable into the red RCA jack labeled *ZONE 2* on the rear panel of your ProFusion DS. Connect the other end of the RCA cable into the corresponding input of your MOH amplification equipment.
- STEP 3** Connect the supplied power cord to the power cord input on the rear of your ProFusion DS and plug the other end to a properly grounded electrical outlet.

Controls and Functions

Front Panel

The front panel is used to change discs and power ProFusion DS on and off.



1. POWER Button

The POWER button is used to power ProFusion DS on and off.

Note: Do not hold in the POWER button when powering ProFusion DS on or off.

2. Power LED

This green LED will remain solid while ProFusion DS is powered on.

3. Serial Number

This unique number is used to identify your ProFusion DS.

Note: Please have the serial number of your ProFusion DS when contacting DMX Customer Service.

4. DVD-ROM drive

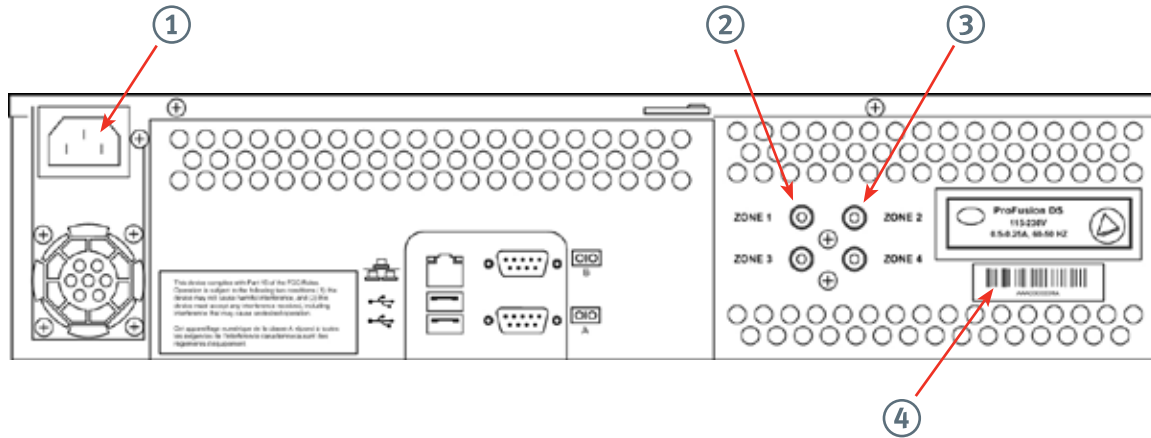
The DVD-ROM drive is used to play ProFusion DS discs. A valid ProFusion DS disc must be in the DVD-ROM drive for playback.

5. DVD-ROM Eject Button

This button is used to open and close the DVD-ROM drive when changing discs.

Rear Panel

The rear panel is used to connect your ProFusion DS to your amplification equipment and an AC electrical outlet.



1. Power Cord Input

ProFusion DS operates on AC power. Connect one end of the supplied power cord to the power cord input and plug the other end into an electrical outlet that will always remain on.

Note: Never attempt to operate ProFusion DS on DC power.

2. Music Zone Audio Connector (white jack)

This connection is a standard RCA jack used to connect your ProFusion DS to your amplification equipment.

3. MOH Zone Audio Connector (red jack)

This connection is a standard RCA jack used to connect your ProFusion DS to your MOH amplification equipment.

Note: The RCA jacks labeled "ZONE 3" and "ZONE 4" are not enabled.

4. Serial Number

This unique number is used to identify your ProFusion DS.

Note: Please have the serial number of your ProFusion DS when contacting DMX Customer Service.

Operation

Powering On and Off ProFusion DS

Powering On ProFusion DS

STEP 1 Press the POWER button once.

STEP 2 The green LED power indicator, below the POWER button, will illuminate and ProFusion DS will produce an “all’s well” beep.

Note: *If your ProFusion DS produces a series of four beeps when powered on, see “Appendix B: ProFusion DS Beep Codes” (see p. 9).*

Powering Off ProFusion DS

STEP 1 Press the POWER button once.

STEP 2 ProFusion DS will beep once and the music will fade out immediately.

Loading ProFusion DS Discs

STEP 1 Anytime after your ProFusion DS has produced the “all’s well” beep, press the DVD-ROM eject button.

STEP 2 Place a valid ProFusion D/DS disc (label side up) into the tray.

Note: *Only DMX ProFusion D/DS discs will play in this device. Consumer audio CDs and DVDs will not function with ProFusion DS. Inserting a disc other than a valid ProFusion D/DS disc will cause the DVD-ROM drive to eject its tray.*

STEP 3 Press the DVD-ROM eject button to close the tray.

Note: *Always use the DVD-ROM eject button to open and close the DVD-ROM tray.*

STEP 4 Once the tray has close, you will hear the DVD-ROM drive begin to spin and the green LED on the front of the DVD-ROM drive will begin to flash. Playback will begin approximately 35 seconds after the tray has closed.

Changing ProFusion DS Discs

STEP 1 To change ProFusion DS discs, press the DVD-ROM eject button to open the DVD-ROM tray.

Note: *Do not open the DVD-ROM tray if the activity light on the front of the DVD-ROM drive is flashing.*

STEP 2 Remove the disc currently in the tray and replace it with your desired disc.

STEP 3 Press the DVD-ROM eject button to close the tray. The new disc will begin to play within 35 seconds of the tray closing.

Note: *If your disc contains messaging for your MOH zone, the message will continue to play until a disc is inserted that contains a different message.*

Cleaning ProFusion DS Discs

Always verify the ProFusion D/DS disc is clean and free of scratches, smudges and fingerprints. To clean a disc use lint-free cotton cloths and wipe against the tracks, starting in the middle of the disc and wiping towards the outside of the disc. Do not wipe in a circular motion as this can create scratches. If any of your ProFusion D/DS discs have substantial scratches that produce issues with your ProFusion DS, contact DMX Customer Service for a replacement disc. See *Appendix D: Contact DMX* (p. 11).

Appendix A: Troubleshooting

This section provides a basic troubleshooting guide for the most common issues. If this list does not help you resolve your issue, or if you have an issue that is not listed below, please contact *Appendix D: Contact DMX* (p. 11) for assistance.

ISSUES	POSSIBLE SOLUTION	PAGE
No Power	Verify the power cord properly connected to your ProFusion DS?	5
	Verify the power cord connected to a known working electrical outlet?	—
No Audio	Verify the audio cable is properly connected to your ProFusion DS and your amplification equipment.	3, 5
	Verify the volume level for your amplification equipment is sufficiently turned up.	—
	Verify the disc inserted is labeled <i>ProFusion D/DS</i> .	6
	Verify the disc is free of scratches, smudges, or fingerprints.	7
The DVD-ROM drive ejects before playback starts	Verify the disc inserted is labeled <i>ProFusion D/DS</i> .	6
	Verify the disc is free of scratches, smudges, or fingerprints.	7
The DVD-ROM drive ejects during playback	Verify the disc is free of scratches, smudges, or fingerprints.	7
	If a beep code has been produced, see <i>Appendix B: ProFusion DS Beep Codes</i> .	9
Volume level too high or too low	The volume level for ProFusion DS is fixed. Any increase or decrease in volume will need to be produced from your amplification equipment.	—

Appendix B: ProFusion DS Beep Codes

Beep Code				Error & Solution
H	H	H	H	Incorrect CD
L	L	L	L	Disc is not recognized as a ProFusion D/DS disc. Replace with a ProFusion D/DS disc.
H	H	H	H	CD Read Error
L	L	L	L	ProFusion D/DS disc is possibly damaged or scratched. Replace with a different ProFusion D/DS disc.
H	H	H	H	System Error
L	L	L	L	ProFusion D/DS disc is possibly corrupt or damaged. Reboot using different ProFusion D/DS disc.
H	H	H	H	Fatal Start
L	L	L	L	Internal ProFusion DS hardware is possibly damaged. Reboot using different ProFusion D/DS disc. If the problem persists, please contact DMX Customer Support.
H	H	H	H	Music Start Fail
L	L	L	L	ProFusion D/DS disc will not play. Clean or replace ProFusion D/DS disc.
H	H	H	H	MOH Start Fail
L	L	L	L	MOH (Message On Hold) will not play. Clean or replace ProFusion D/DS disc.
H	H	H	H	CD Need Cleaning
L	L	L	L	Clean or replace ProFusion D/DS disc.
H	H	H	H	Broken CD
L	L	L	L	Replace ProFusion D/DS disc.
H	H	H	H	CD Unmount Error
L	L	L	L	ProFusion D/DS disc could not unmount software to eject. Reboot ProFusion DS.
H	H	H	H	CD Eject Error
L	L	L	L	ProFusion DS could not eject disc. Reboot ProFusion DS.

Appendix C: Specifications

Connections

Audio: (2) RCA female jacks

Power Specifications

Voltage: 115/230 VAC
Range: 105/125 Vrms
Watts: 220 W
Current: 4.0 Arms @ 115V / 2.0 Arms @ 230V
Freq: 47 ~ 63 Hz
Thermal Output: 751 BTUs

Dimensions

Length: 15 ¼" (38.74 cm)
Depth: 9 ½" (24.13 cm)
Height: 3 ½" (8.89 cm)
Weight: 9.5 lbs (4.31 kg)

Appendix D: Contact DMX Customer Service

Before contacting DMX Customer Service, please have the following information ready:

- The serial number for your ProFusion DS (located on the front and rear panels)
- Your DMX Account Number

Africa: + 27 11 780 3000

Brazil: + 55 11 3457 0654

Canada: + 1 800 350 0369

United States: + 1 800 345 5000

Notes:

800.345.5000 * dmx.com
IN CANADA CALL 800.350.0369

