



SVRK SERIES

Server Rack

(4/6/9/12U) (Shallow/Deep)

Owner's Manual



Thank you for choosing Auray.

Auray's server racks come in shallow and deep 4-, 6-, 9-, and 12-space configurations. Vented top and side panels promote airflow throughout the rack, and all racks are configured to accept optional rack fans. Front and back rack rails are included to install rack shelves and large devices that need four-corner support. Each model can be used as stand-alone unit or wall mounted via the rack's key holes or an included wall-mount bracket. Side panels and a locking door are included to limit access to the installed devices.

Precautions

- Please read and follow these instructions, and keep this manual in a safe place.
- Use only parts provided by the manufacturer.
- Do not exceed the weight capacity of this product.
- This product is for indoor use only.
- Make sure the mounting surface and the wall attachments can support the weight of the rack and installed equipment.
- Make sure everything is secure before proceeding.
- Make sure that this product is intact and that there are no missing parts.
- Keep this product away from water and any flammable gases or liquids.
- Do not stack the rack on top of another rack.
- This rack requires an earth ground connection. Do not use this product without an earth ground connection.
- Do not overtighten or improperly thread any of the threaded fittings.
- All images are for illustrative purposes only.

Overview

Bottom panel 1

Top panel 2

Side bracket (×2) 3

Side panel (×2) 4

Right angle vertical rail (×2)

5

Left angle vertical rail (×2)

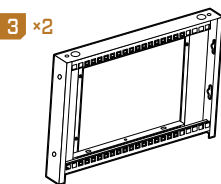
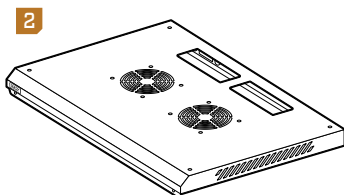
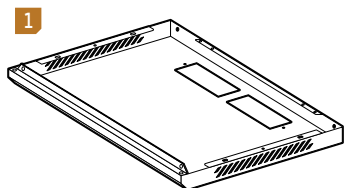
6

Front door 7

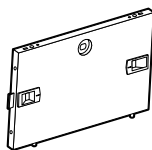
Back panel 8

Cable port cover (×2) 9

Wall mount bracket 10



4 ×2



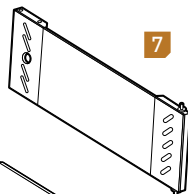
5 ×2



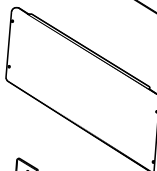
6 ×2



7



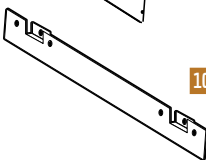
8



9 ×2



10



Assembly and Mounting Hardware

M6×11 screws (×16) ^A	Lock cylinder
M6×12 screws (×8) ^B	Plastic lock washer
M6 cage nuts	Metal hex washer
Rubber pads (×10)	Door latch
Small plugs (×8)	Door latch screw
M4×10 screws (×10) ^C	Keys (×2)
Door hinge plugs (×2)	Side door plugs (×2)
Small washers (×3)	

For Rack Equipment

M6×14 screws (silver) (×10)	M6 cage nuts (silver) (×10)
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Tools Required for Assembly

Phillips screwdriver



Screw Identifier



M6×11



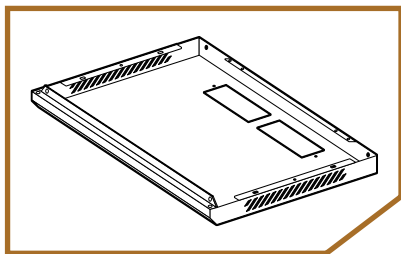
M6×12



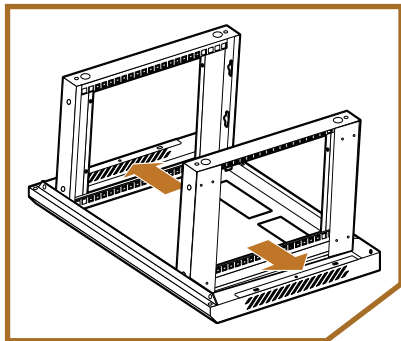
M4×10

Assembling the Rack

1. Lay the bottom panel on a flat surface. The slotted edge is the front of the rack.



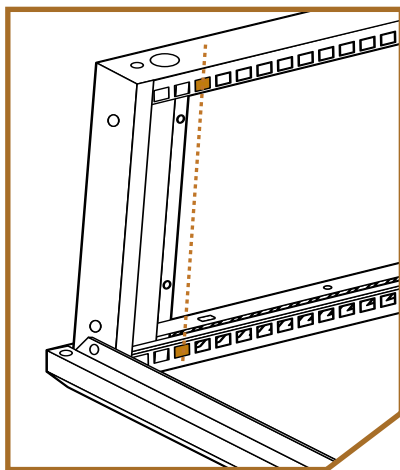
2. Insert the side brackets onto the bottom panel so the mounting keyholes are at the back, and the depth adjustment rails are on the inside of the chassis.



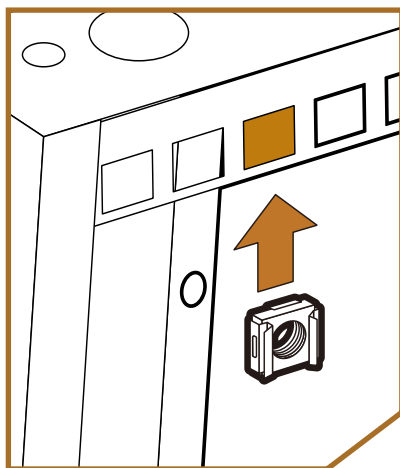
Important! The depth adjustment rails should not be flush against the sides of the bottom panel. If they are, switch the left and right side brackets so the depth adjustment rails are about an inch inside the edges of the bottom panel.

If the side doors are preinstalled into the side brackets, press the two locking tabs inward and remove the doors to perform the next step.

3. Determine where the vertical rails will go inside the rack, and attach cage nuts to the top and bottom depth adjustment rails.



To install cage nuts, fit one of the clamps into the hole, apply pressure until the other clamp fits into the hole, and release. Cage nuts can be installed by hand or with the help of a screwdriver or cage nut tool (available separately).

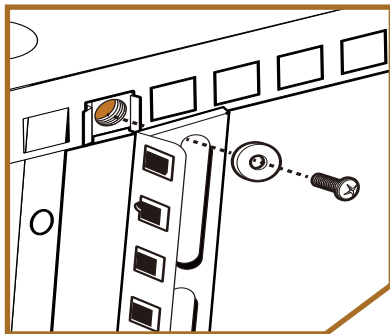


The front vertical rails will attach flush to the front of the rack. However, if you want to attach the door, you need to measure how far back you need to place your gear so the door can close.

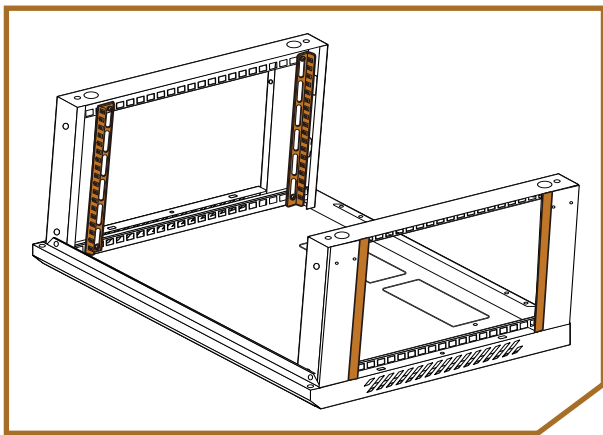
To install a rack shelf or a large device that needs back-side support, measure the distance you need, and use the same method to attach the rear vertical rails at the appropriate depth.

Once you have determined where to attach the cage nuts, attaching the vertical rails in the next step might be easier by removing the side brackets and attaching the rails before proceeding with assembling the rack.

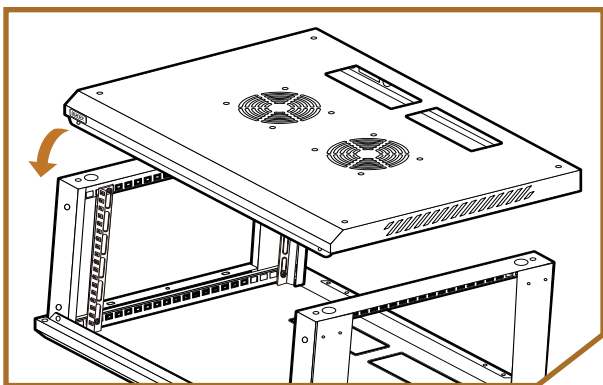
4. Attach the vertical rails to the depth adjustment rails by screwing them into the cage nuts with M6×12 screws.



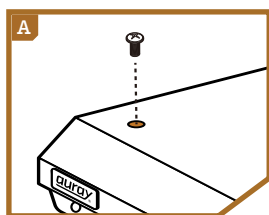
Install the front vertical rails with the printed U-space guide and square holes facing front. Attach the rear rails with the printed U-space guide facing front or back, depending on your needs.



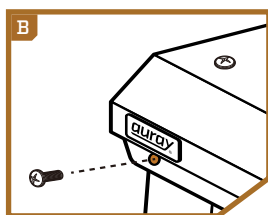
5. Fit the top panel over the assembly. Make sure the beveled vented edge is in the front.



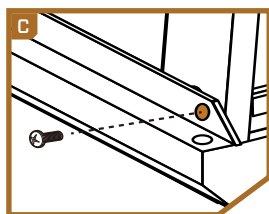
6. With the assembly in the upright position, use the M6 screws to attach the top panel to the side panels.



A Top screws
(×4)

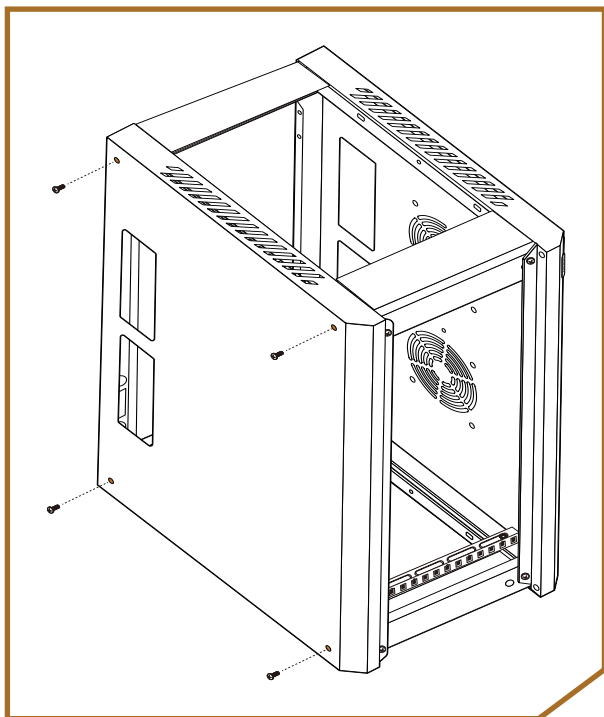


B Top front and
back screws (×4)



C Bottom front
and back (×4)

7. Place the assembly on its side, and attach the side panels to the bottom panel with M6 screws. (×4)

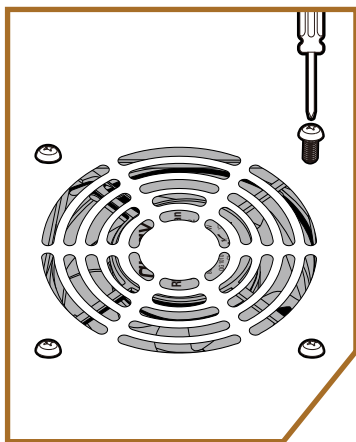
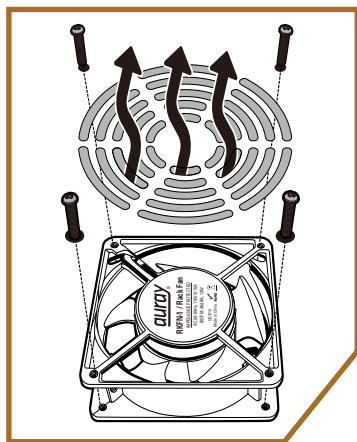


Attaching the Fans

The Auray RKFN-1 (sold separately) is a dedicated fan for this server rack. It installs inside the top panel and can be used as exhaust or to blow air into the rack.

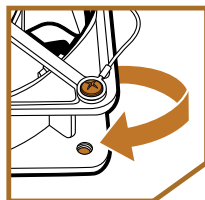
Air flows toward the fan's label.

To attach the fan inside the rack, use the mounting screws that are included with the fan, and follow these steps:



1. Determine the air flow direction, and place the fan inside the top panel. Align the fans with the mounting holes inside the top panel.
2. Screw in the fans from the outside of the top panel until secure.

Important! A ground cable is attached to the front side of the fan and is set to be installed for exhaust. If you want the fan to blow air into the rack, unscrew the ground cable, and attach it to the other side of the fan. This will allow the fan to mount flush to the top panel.



Installing Devices

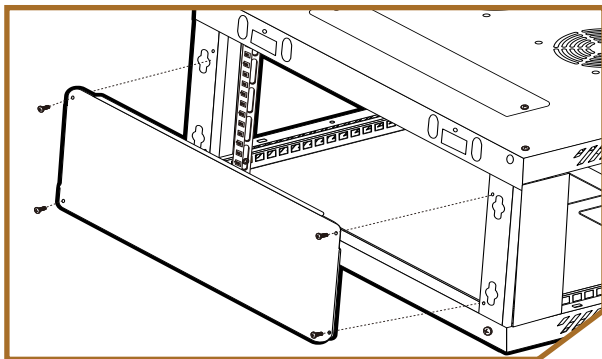
When installing equipment, install the heaviest devices at the bottom of the rack first, and continue to install the lighter devices as you work your way up.

1. Determine the U-space of your device and where in the rack you want to install it. Use the U-space guides printed on the rails to determine where to install the silver M6 cage nuts.
2. Use the included silver M6×14 screws to secure the devices in place.

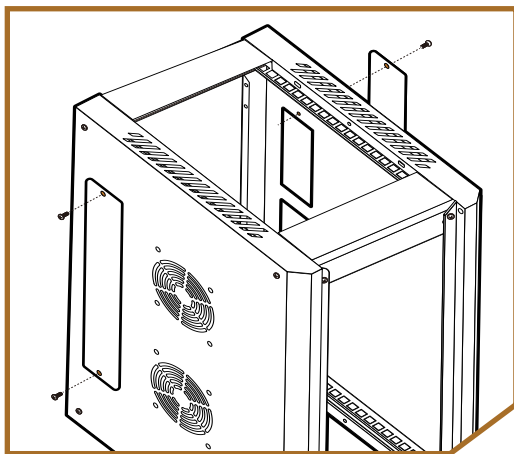
Completing the Rack Assembly

Determine if cables will run through the top and bottom cable ports or the back of the rack. If these openings are not going to be used, you can cover them to create a complete enclosure for your installed equipment.

1. Attach the back panel with the M4×10 screws.

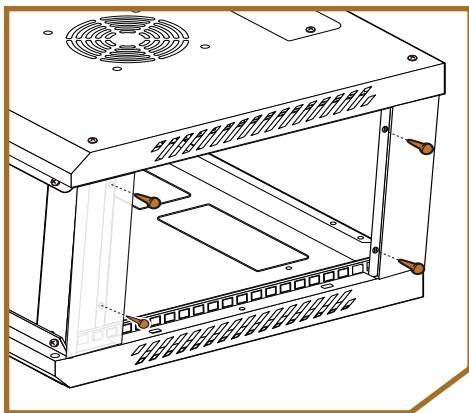


2. Attach the top and bottom cable port covers with the M4×10 screws.

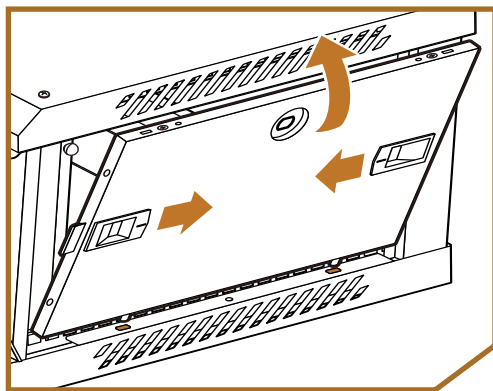
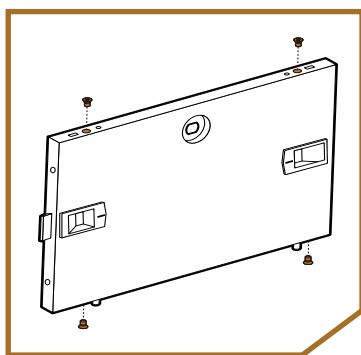


Side Panels

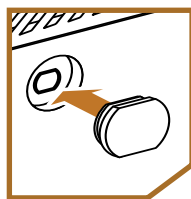
1. Press the rubber pads into the holes on the side panels. ($\times 4$ per side)



2. Place the small plugs in the top and bottom holes on the side panels. ($\times 4$ per side)
3. Attach the side panels by placing the bottom tabs into the slots, and pressing in the top until it locks into place.

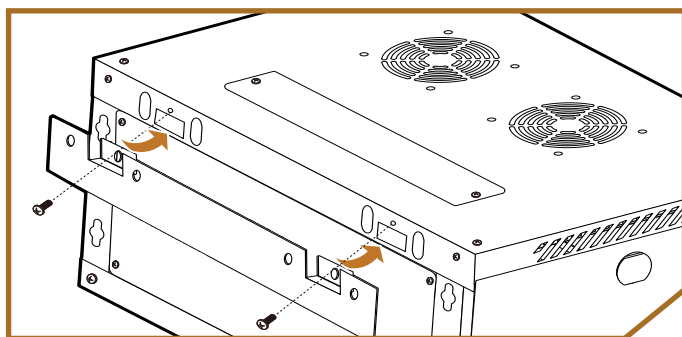


4. If needed, press the door plugs into the side door holes.



Attaching the Mounting Bracket

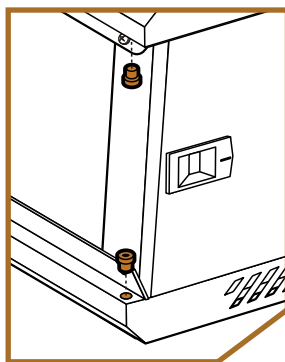
1. Slide the mounting bracket into the back of the rack so the indented tabs are inside the rack, the bracket should be flush against the back of the rack.
2. Attach the bracket with M4 screws (×2)



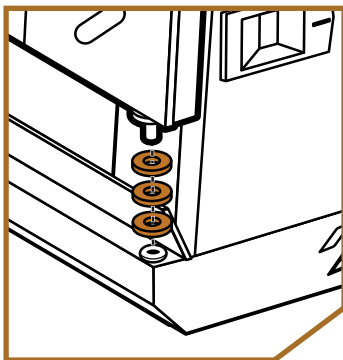
Attaching the Door

The door attaches to the rack to open from the left.

1. Place the door hinge plugs into the door holes on the right side of the top and bottom panels.

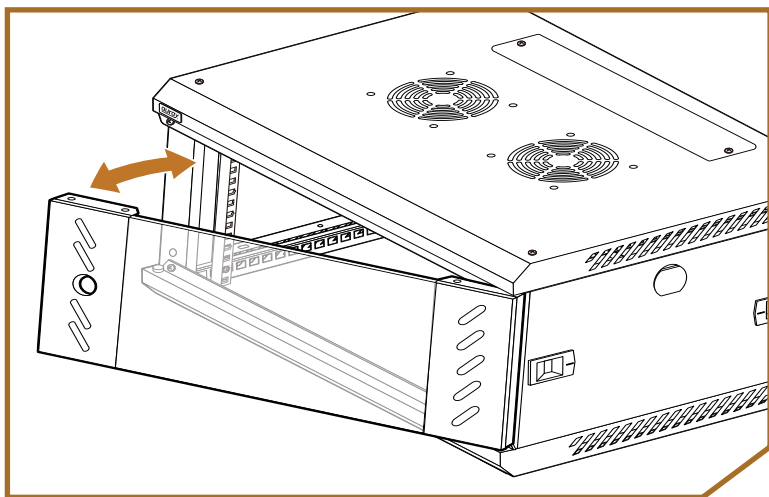
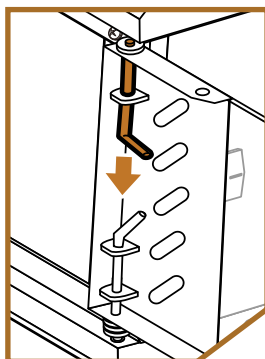


2. Place the three washers onto the bottom door pin.



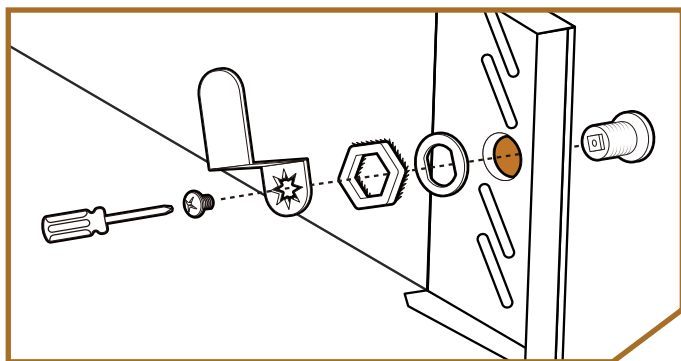
3. Fit the bottom door pin into the hinge plug on the bottom panel. Pull down the top door pin, slide it into position under the top hinge plug, and release the door tab.

The door should smoothly swing open and closed.



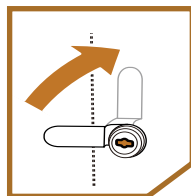
Installing the Door Lock

1. Remove the metal hex washer and the plastic washer from the cylinder, and unscrew the Phillips screw from the end of the cylinder.



2. Fit the cylinder through the hole.
3. Slide the plastic washer over the cylinder threads. Then screw the metal washer onto the threads, making sure the textured side faces the plastic washer. Tighten until secure.
4. Place the latch onto the end of the cylinder, and attach it with the screw.

When you attach the latch, use the key to make sure it's oriented toward the edge of the rack so the door will lock.



Specifications

Form Factor: 19 in. rack

Load Capacity: 132.3 lb. (60 kg)

Cooling: Optional fan

Dimensions: **SVRK-4U-S:** 23.6 × 17.7 × 10.9 in. (60 × 45 × 27.7 cm)

SVRK-6U-S: 23.6 × 17.7 × 14.4 in. (60 × 45 × 36.7 cm)

SVRK-9U-S: 23.6 × 17.7 × 19.7 in. (60 × 45 × 50 cm)

SVRK-12U-S: 23.6 × 17.7 × 24.9 in. (60 × 45 × 63.3 cm)

SVRK-4U-D: 23.6 × 23.6 × 10.9 in. (60 × 60 × 27.7 cm)

SVRK-6U-D: 23.6 × 23.6 × 14.4 in. (60 × 60 × 36.7 cm)

SVRK-9U-D: 23.6 × 23.6 × 19.7 in. (60 × 60 × 50 cm)

SVRK-12U-D: 23.6 × 23.6 × 24.9 in. (60 × 60 × 63.3 cm)

Weight: **SVRK-4U-S:** 27.5 lb. (12.5 kg)

SVRK-6U-S: 32 lb. (14.5 kg)

SVRK-9U-S: 37.4 lb. (17 kg)

SVRK-12U-S: 41.9 lb. (19 kg)

SVRK-4U-D: 32 lb. (14.5 kg)

SVRK-6U-D: 37.4 lb. (17 kg)

SVRK-9U-D: 44.1 lb. (20 kg)

SVRK-12U-D: 51.8 lb. (23.5 kg)

One-Year Limited Warranty

This Auray product is warranted to the original purchaser to be free from defects in materials and workmanship under normal consumer use for a period of one (1) year from the original purchase date or thirty (30) days after replacement, whichever occurs later. The warranty provider's responsibility with respect to this limited warranty shall be limited solely to repair or replacement, at the provider's discretion, of any product that fails during normal use of this product in its intended manner and in its intended environment. Inoperability of the product or part(s) shall be determined by the warranty provider. If the product has been discontinued, the warranty provider reserves the right to replace it with a model of equivalent quality and function.

This warranty does not cover damage or defect caused by misuse, neglect, accident, alteration, abuse, improper installation or maintenance. EXCEPT AS PROVIDED HEREIN, THE WARRANTY PROVIDER MAKES NEITHER ANY EXPRESS WARRANTIES NOR ANY IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. This warranty provides you with specific legal rights, and you may also have additional rights that vary from state to state.

To obtain warranty coverage, contact the Auray Customer Service Department to obtain a return merchandise authorization ("RMA") number, and return the defective product to Auray along with the RMA number and proof of purchase. Shipment of the defective product is at the purchaser's own risk and expense.

For more information or to arrange service, visit www.aurayaudio.com or call Customer Service at 212-594-2353.

Product warranty provided by the Gradus Group.
www.gradusgroup.com

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