20 May 2020

1500 and 3000 Appliance Series
Universal Rack Mount

User Guide

[Classification: Protected]
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Revision History

<table>
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<tr>
<th>Date</th>
<th>Description</th>
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<tbody>
<tr>
<td>20 May 2020</td>
<td>Added the 3100 and 3200 models</td>
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<td>Added shelf dimensions and weight</td>
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Universal Rack Mount Shelf

The Universal Rack Mount Shelf for Desktop Appliances can hold one appliance, or two appliances in a side by side (double) installation. The Rack Mount Shelf dimensions are 482mm x 340mm x 44.4mm, and weight 1.73Kg. The shelf is mounted on a 1U rack.

You can attach these appliances on the Rack Mounting Kit:

- 1500 Appliance Series - 1530 / 1550, 1570 / 1590 Wired
- 3000 Appliance Series - 3100, 3200, 3600, 3800

For all installation setups, the ambient temperature range is 0 to 40 °C.

**Note** - The 1500 appliances include venting holes on the top surface. Do not block them. Maintain a standard gap of 1U.

Power Adapters

Standard AC-DC power adapters that come with the appliance are included in the appliance installation on the rack shelf.

1530 / 1550, 1570 / 1590 appliances:

- A single power adapter per appliance.

3100, 3200, 3600, 3800 appliances:

- Can have up to 2 power adapters per appliance to support power redundancy.
# Shipping Carton Contents

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Rack Mount Shelf</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Accessory kit for Rack Mount Shelf</td>
<td>1</td>
</tr>
</tbody>
</table>

**Accessories:**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Power Adapter Bracket</td>
<td>4</td>
</tr>
<tr>
<td>2</td>
<td>Washer</td>
<td>4</td>
</tr>
<tr>
<td>3</td>
<td>Fixator (in bag with washers)</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>M3 black screw (for appliance)</td>
<td>8</td>
</tr>
<tr>
<td>5</td>
<td>M3 black round head screw with washer (for power adapters)</td>
<td>8</td>
</tr>
<tr>
<td>6</td>
<td>Cable tie</td>
<td>4</td>
</tr>
</tbody>
</table>
# Installation Workflow

## Installation specifications:

<table>
<thead>
<tr>
<th>Appliances</th>
<th>Appliance Orientation</th>
<th>Installation Type</th>
</tr>
</thead>
</table>
| 1530 1550 1570 1590 | All 1500 appliances:  
  - LEDs are facing the rear, and ports are facing the front of the shelf  
  - LEDs are facing the front, and ports are facing the rear of the shelf | All 1500 appliances:  
  - Single  
  - Side by side (SBS) |
| 3100 3200 3600 3800 | All 3000 appliances:  
  - LEDs are facing the rear, and ports are facing the front of the shelf only | All 3000 appliances:  
  - Single  
  - Side by side (SBS) |

**Workflow:**

1. Install the appliance and power supply on the shelf.
2. Install the shelf in the rack.
3. Attach the cables and power supply cable to the appliance.
4. Follow your rack mount instructions to attach the shelf to the rack.
Appliance Installation

Rack Mount Shelf

Legend

<table>
<thead>
<tr>
<th>Shelf Hole</th>
<th>Used for Appliance Installation</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>1530 / 1550 Side by Side</td>
</tr>
<tr>
<td>B</td>
<td>1570 / 1590 Side by Side</td>
</tr>
<tr>
<td>C</td>
<td>3x00 Side by Side</td>
</tr>
<tr>
<td>D</td>
<td>1530 / 1550 Middle</td>
</tr>
<tr>
<td>E</td>
<td>1570 / 1590 Middle</td>
</tr>
<tr>
<td>F</td>
<td>3x00 Middle</td>
</tr>
</tbody>
</table>
1530 / 1550 and 1570 / 1590 Appliances

Single appliance installation

**Note** - A single appliance can only be installed in the middle of the shelf, not on the side. All appliances can be placed with their ports facing the front or rear of the shelf.

1. Place the shelf on a flat surface.

2. Identify the location and holes to use for your appliance. Refer to the "Legend" on the previous page.

3. Attach the appliance to the shelf using 2 black screws and 2 washers:
   a. Lift the shelf and insert the screw from underneath, through the hole next to the letter (D for 1530 / 1550, and E for 1570 / 1590).
   b. Place the washer on top of the screw, with the wider part facing up.
   c. Place the edge of the fixator against the base of the screw.
   d. Turn the washer a few times until it is in position. The fixator prevents you from twisting the washer too far.
4. Line up the holes on the bottom of the appliance with the screws. Place the appliance on top of the screws and slide it forward until it locks into place.

**Note** - The holes on the back of the appliance are the same ones used for wall mounting.

5. To secure the appliance, use a screwdriver (not included in kit) to tighten the screws on the bottom of the shelf. After the screws are fastened, the appliance is locked to the shelf.
1530 / 1550 single installation:

LEDs are facing the front, and ports are facing the rear of the shelf.

**Note** - The front panel of the appliance is located 5 mm from the front of the shelf.

1570 / 1590 single installation:

LEDs are facing the rear, and ports are facing the front of the shelf. LEDs are facing the front, and ports are facing the rear of the shelf.

**Note** - The rear panel of the appliance is flush with the front of the shelf. **Note** - The front panel of the appliance is flush with the front of the shelf.
Side by side appliance installation

Follow the steps for a single appliance installation but place each appliance on one side of the shelf.

**Note** - All appliances can be placed with their ports facing the front or rear of the shelf.

**1530 / 1550 side by side installation:**

LEDs are facing the rear, and ports are facing the front of the shelf.
1570 / 1590 side by side installation:

LEDs are facing the front, and ports are facing the rear of the shelf.
Installing the power adapter(s)

1. Attach the DC jack of the adapter and plug into the appliance.

2. Place the adapter in the correct position on the shelf and push it until you reach the stopper. The power adapter LED should be facing up.

3. Place a bracket over the top of the adapter and attach to the shelf on either side with the black screws.

4. Use cable ties as needed to hold the cables in position.

5. Attach the DC jack on the rear side to the rack power inlet.
3000 Appliances

Single appliance installation

Note - A single appliance can only be installed in the middle of the shelf, not on the side. These appliances must be placed with their ports facing the front of the shelf.

1. Place the shelf on a flat surface.

2. Identify the location for your appliance. Refer to the "Legend" on page 8.

3. Attach the appliance to the shelf using 4 black screws:
   a. Lift up the shelf and insert the screw from underneath, through the hole next to the letter F.
   b. Screw partially one by one until all 4 screws are secured, then fasten all 4.

4. To secure the appliance, use a screwdriver (not included in kit) to tighten the screws on the bottom of the shelf.

5. To pull out the service tag, pull it a bit to the bottom side and out.
3000 single installation:

**Note** - The front panel of the appliance is flush with the front of the shelf.
## Side by side appliance installation

Follow the steps for a single appliance installation but place each appliance on one side of the shelf.

**Note** - These appliances must be placed with their ports facing the front of the shelf.

**Best practice** - The installation process should be done by two people.

### 3000 side by side installation:

![Diagram of side by side appliance installation](image)

**Note** - The rack may slightly bend in the middle with this setup. There is no functional or other impact.
Installing the power adapters

1. Attach the DC jack of the adapter and plug into the appliance.
   
   **Note** - The 3000 appliances can use 2 adapters per appliance.

2. Place the adapters in the correct position on the shelf. The power adapter LED should be facing up.

3. Place a bracket over the top of the adapter and attach to the shelf on either side with the black screws.

4. Use cable ties as needed to hold the cables in position.
Uninstalling the appliance

Note - This applies to all models of the appliance, in single and side by side installations.

1. Unplug the cable from the power adapters and the appliance.
2. Loosen the screws from the adapter brackets and remove the brackets.
3. Remove the adapters.
4. Remove the appliance:
   - For 1530 / 1550 and 1570 / 1590 - Move the appliance back slightly and lift the appliance off the screws.
   - For 3000 - Loosen the 4 screws from the appliance and remove it.
5. Repeat steps 1-4 for the second appliance.
Replacement Procedure

To replace a unit from a side by side installation:

1. Follow the instructions in the procedure "Uninstalling the appliance" on the previous page.
2. Remove the faulty appliance.
3. Follow the "Appliance Installation" on page 8 procedures to install the replacement appliance and power supply.