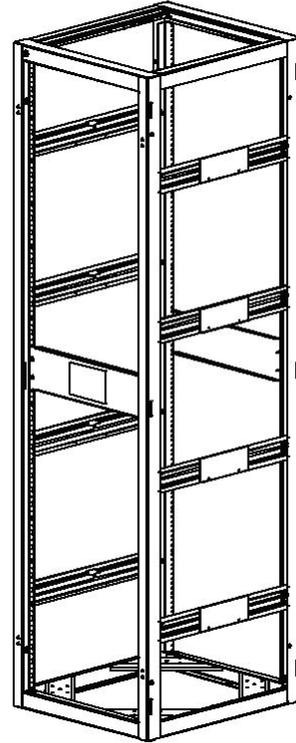# 100, 200, 500, 700, and FMA Series Floor-Standing Cabinets



# ⚠ CAUTION ⚠

1.  This cabinet is shipped fully assembled from the factory and must be installed on a level surface and suitably anchored in all four corners.

2.  When using only front rack rails (typical), the installed components must not exceed their own individual load rating and the total cabinet load must not exceed 25 pounds per rack unit (1 ¾" Space).

3.  When using both front and rear rack rails, the installed components must not exceed their own individual load rating and the total cabinet load must not exceed 57 pounds per rack unit (1 ¾" Space). If rear rack rails were not supplied, rear rack rails may be purchased separately. 100 Series cabinets do not accept rear rack rails.

4.  Use with products heavier than the maximum weight indicated may result in instability causing possible injury.

## 1. Required Tooling:
    a. Razor Knife
    b. #2 Philips Cross-Drive Screw Driver (Manual or Auto)
    c. 3/8" Hex Socket Driver
    d. Tape Measure (optional)

## 2. Shipping Packaging Removable:
    a. Carefully cut and remove shipping straps holding cabinet to shipping pallet.
    b. Remove shrink plastic and shipping materials.
    c. Remove metal shipping stiffeners (up to 2 per cabinet depending on model) by removing the (4) 10-32 philips cross-drive screws. Use a #2 philips screwdriver for this task.

        **NOTE: Shipping stiffeners are actually a standard 3RU panel; therefore, may be used to help close the top of the cabinet. Additional panels will be required to fully close the surface.**

    d. Carefully cut and remove the hardware bag containing door keys, rack rail hardware, top hardware. Keep for future use.

## 3. Cabinet Orientation:
    a. The front of the cabinet is denoted by the presence of the Atlas Sound Logo plug (top left on most models)

        **NOTE: Logo may be removed and replaced by M-1A IR Repeater in cases where a door blocks IR remote control signals.**

    b. Bottom of the cabinet will contain mounting points for casters.

Logo Plug

Shipping Stiffener

Caster Mount Holes

## 4. Initial Rail Setup:

        **NOTE: 100 Series cabinets do not require any adjustments; therefore, 100 Series users may skip this section.**
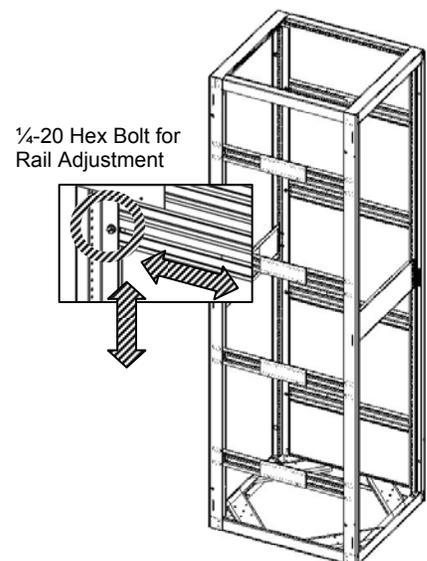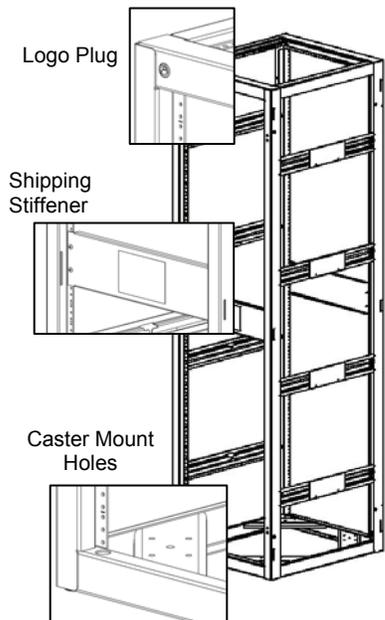
    a. Adjustable rails may move forward and backward within the hat-section slot. In addition, there is some adjustment up and down. Once rails are located as required, use 3/8" hex socket driver to torque into place. Recommended torque: 82 ± 2 in-lbs
    b. Locate front rails in the front-to-back direction as required by equipment to be racked. Once located, be sure to leave an equal gap at the top and bottom of each rail.

        **NOTE: While front rails are typically mounted fully forward in the cabinet, this position may not provide adequate clearance when accessory doors (purchased separately) are added. Always consider the forward space for knobs, connections, etc. as required by the installed components.**

    c. If equipped with rear rack rails, use tape measure to locate rear rail within respect to the front rail surface. This distance will vary with racked gear requirements. Again, be sure to leave an equal gap at the top and bottom of each rail.

        **NOTE: If the flush rear door (typical on most cabinets) is to be used, verify rear door lock will not interfere with racked equipment.**

    d. Once rails are located as required, use 3/8" hex socket driver to torque into place. Recommended torque: 82 ± 2 in-lbs.

¼-20 Hex Bolt for Rail Adjustment
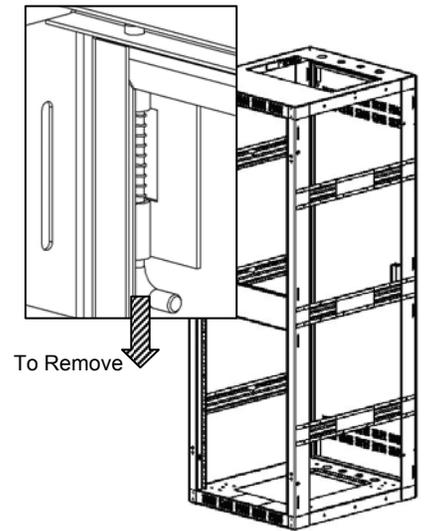
## 5. Initial Door Setup:

**NOTE: The rear flush door (typically supplied with most cabinets) may be hung left or right-opening as required by the final installation.  However, the rear door may not be installed on the front of the cabinet.**
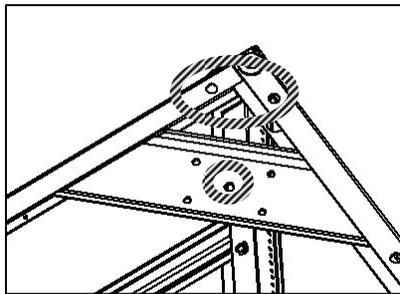
a.  Remove rear door by pulling the spring-loaded Cane Bolts towards the center of the door.
b.  Be sure nylon gap washer located at the bottom of the door is retained.
c.  Flip door as required.
d.  Install the door into position with the nylon gap washer located at the bottom of the door.
e.  Be sure spring-loaded Cane Bolts actuate to their outward position.
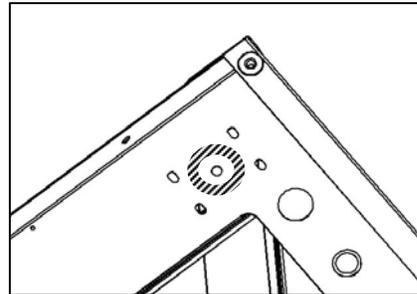


To Remove

## 6. Floor Installation:

**NOTE: It is easiest to install cabinet before loading.  Otherwise, be sure adequate room exists to get tooling into the bottom areas of the cabinet.**
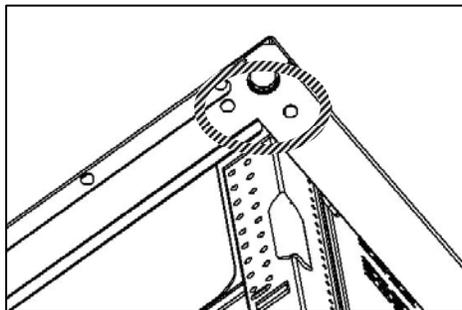
a.  Always install cabinet on a level surface and suitably anchored in all (4) corners.
b.  All cabinets have (4) corner holes at ½" diameter will each accommodate a 3/8" to 7/16" diameter bolt passing through the steel bottom panel that is spaced 2" to 3" from the floor or directly on the floor (depending on model).  The 700 Series cabinets also have an additional (2) holes located in each bottom corner.  FMA Series cabinets have only (2) holes in each corner.



700 Series Bottom Corner



100, 200, and 500 Series Bottom Corner



FMA Bottom Corner

## 7. Cabinet Accessories:

**Rear Rack Rails** – A "must have" accessory for fully-supporting heavy loads within a cabinet.

**For 200, 500 and 700 Series Cabinets**

| | |
|---|---|
| RR21 | RAIL PR 21RU 36IN BLK |
| RR24 | RAIL PR 24RU 42IN BLK |
| RR35 | RAIL PR 35RU 61IN BLK |
| RR40 | RAIL PR 40RU 70IN BLK |
| RR44 | RAIL PR 44RU 77IN BLK |

**For FMA Series Cabinets**

| | |
|---|---|
| FMA-RRK35 | RAIL PR 35RU 61IN FMA BLK |
| FMA-RRK44 | RAIL PR 44RU 77H FMA BLK |

**Shelf Systems** – Useful whenever equipment does not include provisions for rack-mounting. Heavier equipment may require Rear Rack Rails (listed above) and Shelf Rear Support Brackets. Equipment may be held in place using Equipment Clamping Kit.

**Shelf (15" Deep)**

| | |
|---|---|
| SH15-2 | SHF VNT 2RU 15.5D #052 |
| SH15-3 | SHF VNT 3RU 15.5D #052 |
| SH15-4 | SHF VNT 4RU 15.5D #052 |

**Shelf (22" Deep)**

| | |
|---|---|
| SH22-2 | SHF VNT 2RU 22D #052 |
| SH22-3 | SHF VNT 3RU 22D #052 |
| SH22-4 | SHF VNT 4RU 22D #052 |

**Shelf Rear Support Brackets**

| | |
|---|---|
| SHRSB2 | SHF BRKT RR SPT 2RU SH15/SH22 #052 |
| SHRSB3 | SHF BRKT RR SPT 3RU SH15/SH22 #052 |
| SHRSB4 | SHF BRKT RR SPT 4RU SH15/SH22 #052 |

**Equipment Clamping Kit**

| | |
|---|---|
| SHCK | SHF CLP KIT SH15/SH22 SER #052 |

**Caster Kits** – May be used to provide mobility to a rack.

**For 100, 200, 500 and 700 Series** [1000 lbs Max Capacity]

| | |
|---|---|
| RCK-18 | KIT, ROL TRK 100/200-18 |
| RCK-25 | KIT, ROL TRK 100/200-25 |
| RCK-30 | KIT, ROL TRK 200/500-30 |

**For 700 Series Cabinets** [1000lbs Max Capacity]

| | |
|---|---|
| RCK-700 | CSTR SWV NON/LOCK (4) 255 LBS |

**For FMA Series Cabinets** [880lbs Max Capacity]

| | |
|---|---|
| FMARTK25 | KIT, ROL TRK FMA25SA 2SWV 2RGD 220LB#962 |

**Doors** – Protect your equipment investments with a number of easy-to-install door options.

**Solid Front Door**

| | |
|---|---|
| SFD21 | DOR SUR 21RU 36H 20W 1D #962 |
| SFD24 | DOR SUR 42H 20W 1D #962 |
| SFD35 | DOR SUR 61H 20W 1D #962 |
| SFD40 | DOR SUR 40RU 70H 20W 1D #962 |
| SFD44 | DOR SUR 77H 20W 1D #962 |

**"Micro-Perf" Front Door**

| | |
|---|---|
| MPFD21 | DOR SUR VNT 21RU 36H 20W 1D #962 |
| MPFD24 | DOR SUR VNT 42H 20W 1D #962 |
| MPFD35 | DOR SUR VNT 61H 20W 1D #962 |
| MPFD40 | DOR SUR VNT 70RU 70H 20W 1D #962 |
| MPFD44 | DOR SUR VNT 77H 20W 1D #962 |

**3" Deep "Micro-Perf" Front Door**

| | |
|---|---|
| MPFD10-3 | DOR SUR VNT 18H 20W 3D #962 |

| | |
|---|---|
| MPFD12-3 | DOR SUR VNT 21H 20W 3D #962 |
| MPFD16-3 | DOR SUR VNT 28H 20W 3D #962 |
| MPFD24-3 | DOR SUR VNT 42H 20W 3D #962 |
| MPFD35-3 | DOR SUR VNT 61H 20W 3D #962 |

**Plexiglass Front Door**

| | |
|---|---|
| PFD21 | DOR SUR PLX 21RU 36H 20 1D #962 |
| PFD24 | DOR SUR PLX 42H 20W 1D #962 |
| PFD35 | DOR SUR PLX 61H 20W 1D #962 |
| PFD40 | DOR SUR PLX 40RU 70H 20W 1D #962 |
| PFD44 | DOR SUR PLX 77H 20W 1D #962 |

**Vented Flush Rear Door**

| | |
|---|---|
| FRD35 | DOR FLS REAR 35RU 61H #962 |
| FRD40 | DOR FLS REAR 40RU 70H #962 |
| FRD44 | DOR FLS REAR 44RU 77H #962 |

**Side Panels** – Provides closure and protection within multi-rack ganged applications.

**For 500 / 700 Series Cabinets**

| | |
|---|---|
| SPS35-25 | SDE PNL 500/700 35RU 61H 25D PR #962 |
| SPS40-25 | SDE PNL 500/700 40RU 70H 25D PR #962 |
| SPS44-25 | SDE PNL 500/700 44RU 77H 25D PR #962 |
| SPS44-36 | SDE PNL 500/700 44RU 77H 36D PR #962 |
| SPS44-30 | SDE PNL 500/700 44RU 77H 30D PR #962 |

**For FMA Series Cabinets**

| | |
|---|---|
| FMA35-25LRPV | PNL SD 35RU 25D CR BLK FMA #962 |
| FMA44-25LRPV | PNL SD 44RU 25D CR BLK FMA #962 |
| FMA44-36LRPV | PNL SD 44RU 36D CR BLK FMA #962 |

**Hardware** – Convenient packages of 10-32 rack screws with captive washers.

| | |
|---|---|
| RSCW100 | HDWR 10-32 X ¾" 100/BAG PHIL SCR/CAP WSH BLK |
| RSCW500 | HDWR 10-32 X ¾" 500/BOX PHIL SCR/CAP WSH BLK |

| | |
|---|---|
| HK-40 | HDWR 10-32 X 1" 40 PHIL SCR/WSH CHR |
| HK-40SB | HDWR 10-32 X 1" 40 PHIL SCR/WSH BLK |