

ComboXCAT

19" Rack-Mount KVM Console Drawer



User Guide

Rev 1.0

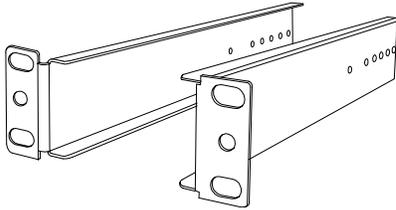
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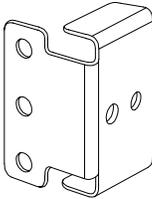
1. Packing List

The complete ComboXCAT KVM Console Drawer package consists of:

- One 1U 19" rack-mount console
- Two rails with front and rear brackets
- Two extended brackets



- Two Short brackets



- Two bracket attachments



**ComboXCAT 17"
bracket attachment**



**ComboXCAT 19"
bracket attachment**

- One 6-foot 3-in-one KVM cable (HDDDB-15 / VGA + PS/2 x 2)
- One USB cable
- One power adapter
- One power cord
- Two keys
- Six flat screws (for rail mount to console body)
- Six screws (for replacing extended bracket)
- Documentation sheet

Please read this manual thoroughly and follow the installation and operation procedures carefully to prevent any damage to the product and/or to any of the devices that connect to it.

2. Safety Instructions

1. Please read these safety instructions carefully.
2. Please keep this User's Guide for later reference.
3. Please disconnect this equipment from the AC outlet before cleaning it. Don't use liquid or sprayed detergent for cleaning. Use moisture sheet or cloth for cleaning.
4. For pluggable equipment, the socked-outlet shall be installed near the equipment and shall be easily accessible.
5. Please keep this equipment from humidity.
6. Lay this equipment on a reliable surface when installing. A drop or fall could cause injury.
7. Do not leave this equipment in unconditioned environment. Storage temperature above 60⁰C may damage the equipment.
8. The openings on the enclosure are for air convection, hence preventing the equipment from overheating. DO NOT COVER THE OPENINGS.
9. Confirm the voltage of the power source before connecting the equipment to the power outlet.
10. Keep the power cord in such a way that people can not step on it. Do not place anything over the power cord. The power cord must rated for the voltage and current marked on the product's electrical ratings label. The voltage and current rating of the cord should be greater than the voltage and the current rating marked on the product.
11. All cautions and warnings on the equipment should be noted.
12. If the equipment is not in use for long time, disconnect the equipment from mains to avoid being damaged by transient over-voltage.
13. Never pour any liquid into ventilation openings; this could cause fire or electrical shock.
14. Never open the equipment. For safety reason, qualified service personnel only should open the equipment.
15. If one of the following situations arises, get the equipment checked by a service personnel.
 - The power cord or plug is damaged.
 - Liquid has penetrated into the equipment.
 - The equipment has been exposed to moisture.
 - The equipment has not worked well or you cannot get it to work according to User's Guide.
 - The equipment has dropped and got damaged.
 - The equipment has obvious signs or breakage.

3. Panel Controls and On Screen Display (OSD) Function

Controls	Description
	Soft power on/off button. Adjacent LED is lit when on.
Auto	Auto-synchronize and scale down display to any valid factory preset timings.
	Press to scroll up to the desired function.
	Press to scroll down to the desired function.
Menu	To access the main menu. This button also acts as the "Enter" button.

Table 3-1. Panel Controls

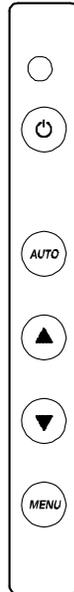


Figure 3-1. ComboXCAT 17" OSD Control Bar

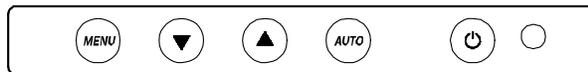


Figure 3-2. ComboXCAT 19" OSD Control Bar

3.1 Auto Tune

Press the "Auto" button. The panel will adjust the display size automatically and also tune the panel to its best condition.

3.2 Input Source

1. Press the "Menu" button.
2. Use the "Down" and "Up" buttons to scroll.

Auto tune

Input Source

Brightness

Contrast

Color

Position

Language

Recall

Exit

3. Press the "Menu" button to enter. You will see:

VGA / DVI

4. Use the "Down" and "Up" buttons to select the input source of signal.
5. Press the "Menu" button to enter

3.3 Brightness

1. Press the "Menu" button.
2. Use the "Down" and "Up" buttons to scroll.

Auto tune

Input Source

Brightness

Contrast

Color

Position

Language

Recall

Exit

3. Press the "Menu" button to enter.
4. Use the "Down" and "Up" buttons to adjust the brightness of the display.
5. Press the "Menu" button to enter.

3.4 Contrast

1. Press the "Menu" button.
2. Use the "Down" and "Up" buttons to scroll.
 - Auto tune
 - Input Source
 - Brightness
 - Contrast**
 - Color
 - Position
 - Language
 - Recall
 - Exit
3. Press the "Menu" button to enter.
4. Use the "Down" and "Up" buttons to adjust the contrast of the display.
5. Press the "Menu" button to enter.

3.5 Color

1. Press the "Menu" button.
2. Use the "Down" and "Up" buttons to scroll.
 - Auto tune
 - Input Source
 - Brightness
 - Contrast
 - Color**
 - Position
 - Language
 - Recall
 - Exit

3. Press the "Menu" button to enter. You will see:

Icon	Description
9300°K	To set CIE coordinates at 9300°K color
7500°K	To set CIE coordinates at 7500°K color
6500°K	To set CIE coordinates at 6500°K color
User	To set user defined CIE
Auto color	To auto adjust color
Return	To exit and return to the previous page

Table 3-2. Color Menu

4. Use the "Down" and "Up" buttons to adjust the color of the display.

5. Press "Menu" to enter.

3.6 Position

1. Press the "Menu" button.

2. Use the "Down" and "Up" buttons to scroll.

Auto tune

Input Source

Brightness

Contrast

Color

Position

Language

Recall

Exit

3. Press the "Menu" button to enter. You will see:

Icon	Description
Image Pos	To adjust the position of the image.
OSD Pos	To adjust the position of the OSD.
Return	To exit and return to the previous page

Table 3-3. Position menu

4. Use the "Down" and "Up" buttons to scroll.
5. Press the "Menu" button to enter.

3.7 Language

1. Press the "Menu" button.
2. Use the "Down" and "Up" buttons to scroll.

- Auto tune
- Input Source
- Brightness
- Contrast
- Color
- Position
- Language**
- Recall
- Exit

3. Press the "Menu" button to enter. You will see:

- English**
- German
- French
- Italian
- Spanish

4. Use the "Down" and "Up" buttons to scroll.
5. Press the "Menu" button to enter.

3.8 Recall

1. Press the "Menu" button.
2. Use the "Down" and "Up" buttons to scroll.

Auto tune

Input Source

Brightness

Contrast

Color

Position

Language

Recall

Exit

3. Press the "Menu" button to enter. You will see:

Yes/ No

4. Select "Yes" button then "Menu" button to recall the factory setting. Select "No " to return to the previous page.

3.9 Exit

Press the "Exit" button to quit OSD menu.

3.10 Power Indicator

- ◆ GREEN On
- ◆ RED Standby
- ◆ RED Suspend
- ◆ RED Off



.....
OSD – On Screen Display
.....

4. Installation

4.1 Installing ComboXCAT KVM Console Drawer onto 4-Post Rack

4.1.1 Notes

1. Please inspect all contents before installation to make sure that the unit was not damaged and that components were not lost during shipping. If you encounter any problem, please contact your dealer.
2. Before installing, make sure all peripherals and computers have been turned off.
3. The 4-post rack depth range must be between 24~39 inches for a 17" console; 21~39 inches for a 19" console. Contact your dealer for deeper 4-post rack application.
4. If your 4-post rack depth is 24~31 in. for a 17" console or 26~31 in. for a 19" console, please refer to "Step A".
5. If your 4-post rack depth is 20~24 in. for a 17" console or 22~24 in. for a 19" console, please refer to "Step B".
6. If your 4-post rack depth is 31~39 in., please refer to "Step C".
7. Reliable grounding of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit.

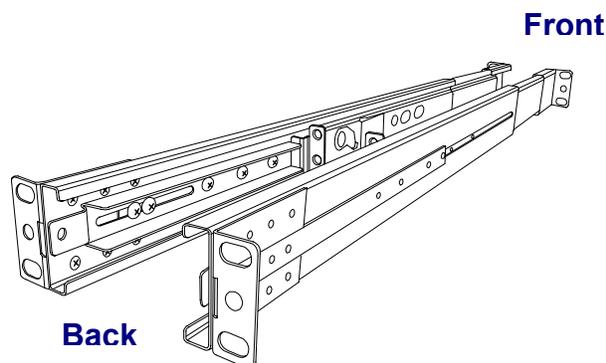
4.1.2 Hardware Kit Contents

1. Rail with front and rear bracket x 2.

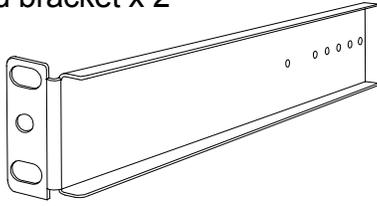
The Right-Side rail is identified with the label "R" located on the front side of the right rail.

The Left-Side rail is identified with the label "L" located on the front side of the right rail

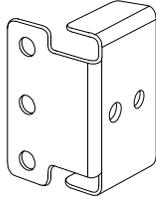
NOTE: Right side and left side rails are not interchangeable.



2. Extended bracket x 2



3. Short bracket x 2



4. Bracket attachment x 2



**ComboXCAT 17"
bracket attachment**



**ComboXCAT 19"
bracket attachment**

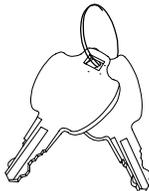
5. 6mm Screw x 6



6. Screw x 6

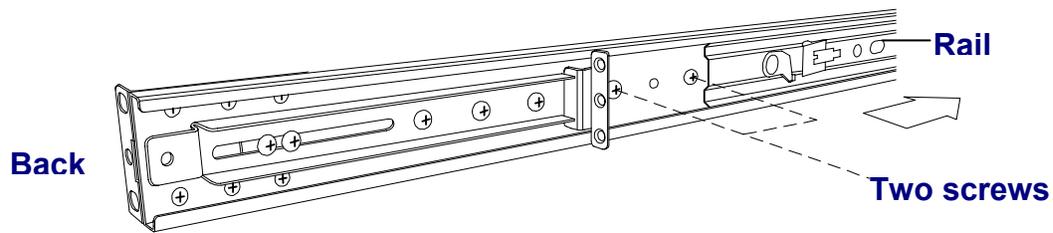


7. Key x 2

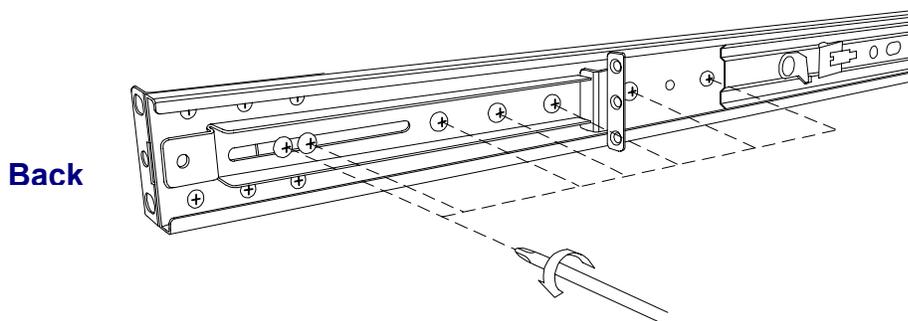


4.1.3 Step A – Install Console

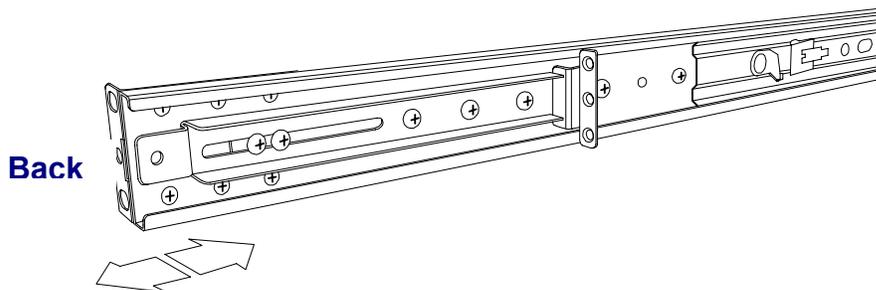
1. Adjust the rail until two screws become visible.



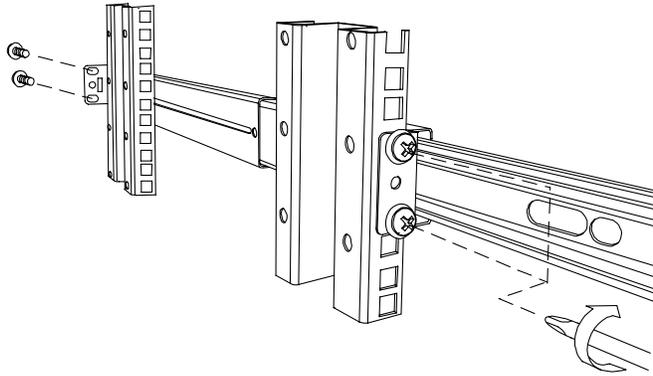
2. Loosen up (do not remove) seven screws.



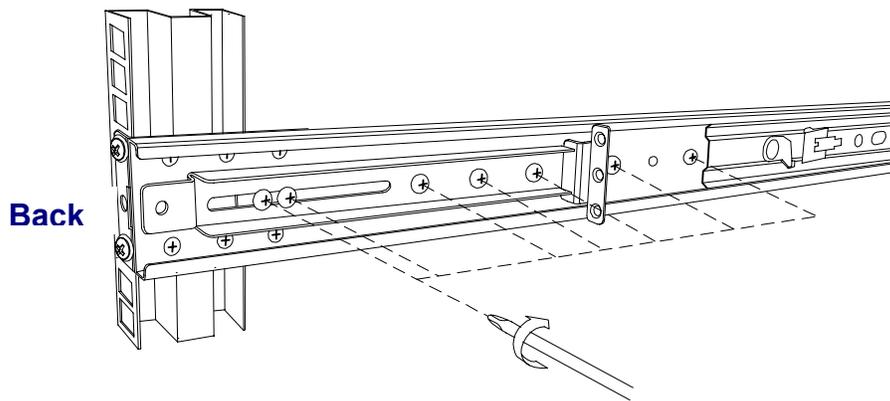
3. Adjust the rail to fit the depth of your 4-post rack.



4. Install front and rear brackets onto 4-post rack's mounting rails.



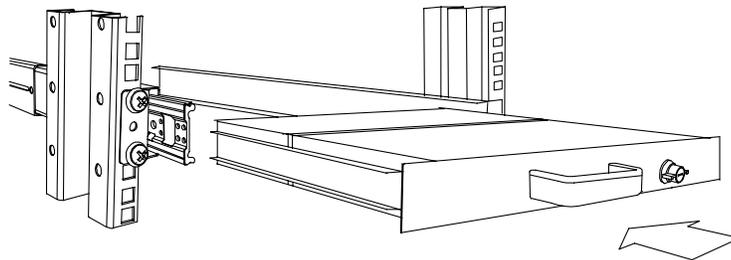
5. Tighten up seven screws (that were loosened up in step 2).



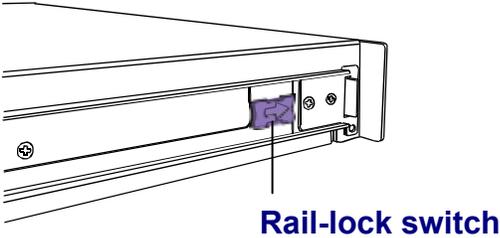
6. Repeat step 1~5 for the other side.

7. Remove console drawer from the box – Be careful as the rear portion of the console drawer may be loose when console is taken out from carton.

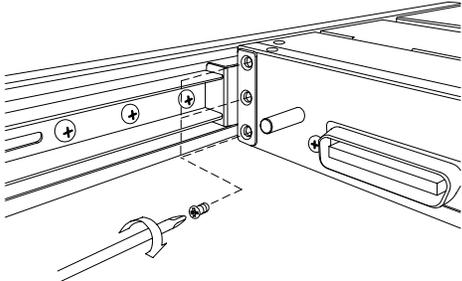
8. Push console into rails.



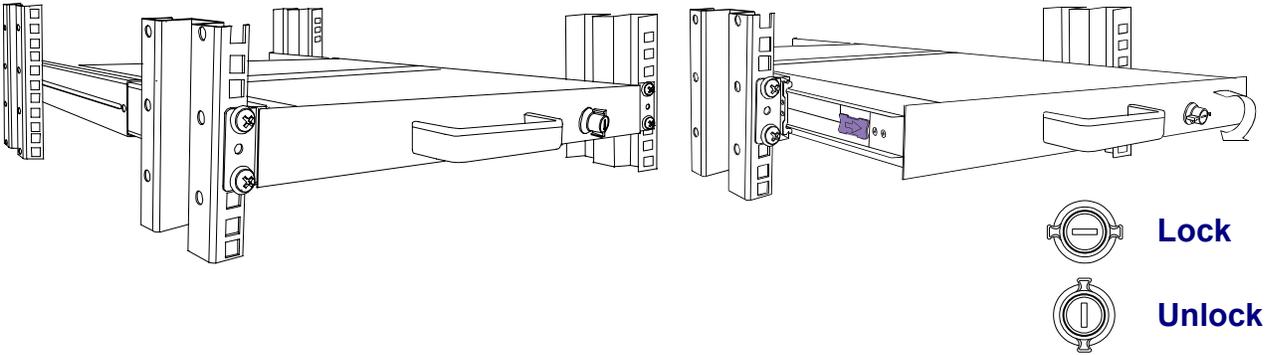
9. Unlock the rails – pull rail–lock switches (left and right at the same time), then push console drawer all the way in.



10. Install three 6mm screws onto the back of the console (3 screws on each side).

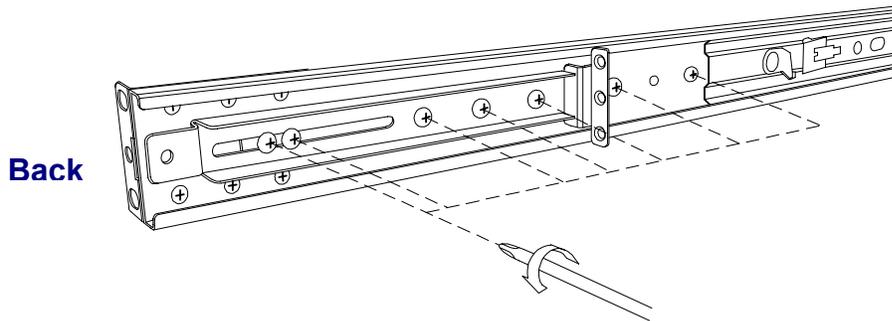


11. Installation is complete.

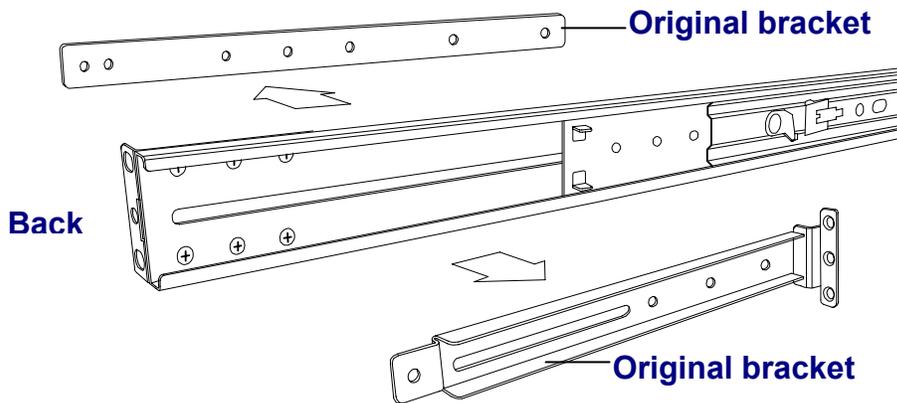


4.1.4 Step B – Replace Short Bracket and Install Console

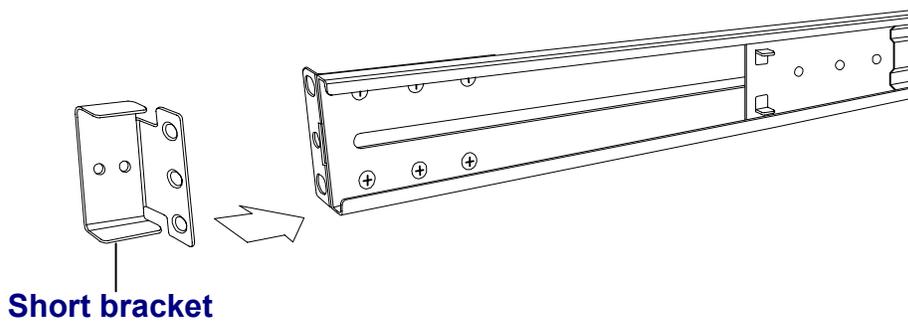
1. Remove seven screws.



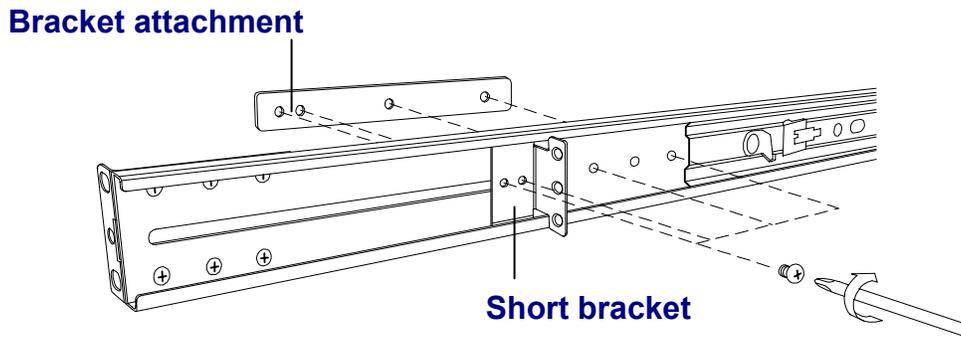
2. Take two original brackets out.



3. Insert short bracket into back of the rail.



4. Install four screws (don't tight-up) to combine rail, short bracket and bracket attachment.

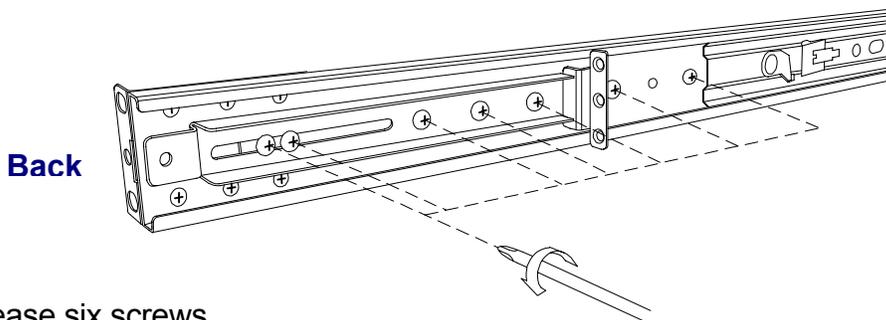


5. Repeat step 1 ~ 4 for the other side.

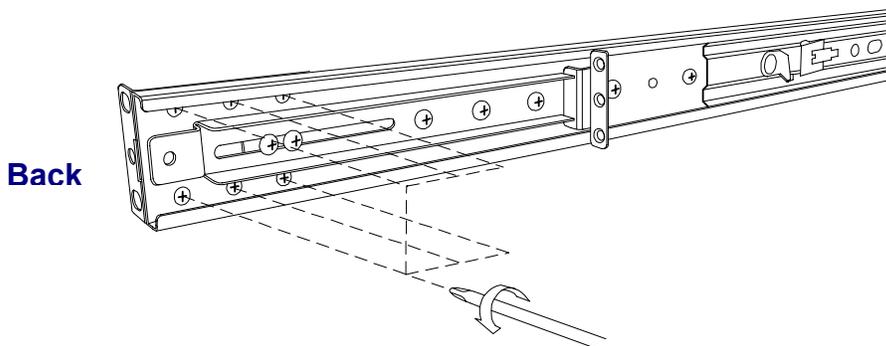
6. Repeat step 3 ~ 10 of Step A to complete the installation.

4.1.5 Step C – Replace Extended Bracket and Install Console

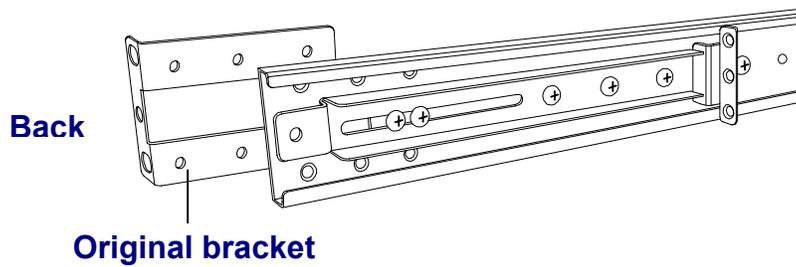
1. Loosen up (do not remove) seven screws.



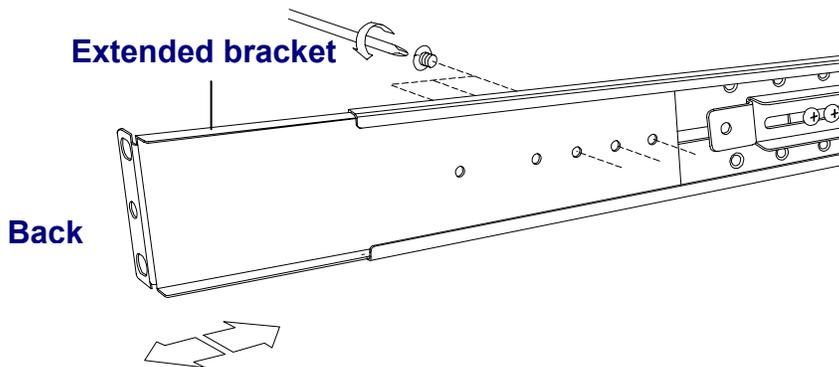
2. Release six screws.



3. Take rear bracket out.



4. Adjust rail and insert extended bracket to the back of the rail, then adjust extended bracket to fit your 4-post rack. Install at least 2~3 screws (don't tight-up) upon the length you need (one screw will not suffice).



5. Repeat step 1 ~ 4 for the other side.

6. Repeat step 3 ~ 10 of Step A to finish the installation.

4.2 Connecting the Console (No modular KVM Switch Installed)

To connect an LCD console to a computer, perform the following steps



Figure 4-1. Back view of ComboXCAT console drawer

1. Turn off your computer.

2. Connect the video (VGA) connector of the KVM cable to the video card connector on of your computer. Connect the video (VGA) connector on the other end of the KVM cable to the video connector on the back of ComboXCAT.
3. Use "PS/2-USB Switch" to select your computer interface – either PS/2 or USB. The switch must be on the PS/2 side when interfacing with a PS/2 computer; the switch must be on the USB side when interfacing with a USB computer.
4. If interfacing with a PS/2 computer – connect the PS/2 mouse and PS/2 keyboard connectors to the correct PS/2 ports on your computer. Connect the PS/2 mouse and PS/2 keyboard connectors on the other end of the KVM cable to the correct (color-coded) PS/2 ports on the back of ComboXCAT.
5. If interfacing with a USB computer – use the USB cable to connect the USB keyboard/mouse port on your computer to the USB port on the back of ComboXCAT.



DO NOT plug PS/2 and USB cables at the same time.

4. Connect the power adapter to the power inlet on the console, then to a power outlet.

4.3 Turning on the Console

Make sure all cables and the power adapter are connected properly. Be sure to tighten all connector screws. Using two hands, grasp the front of the console, lift the tab and pull the panel up and forward. This will disengage the on/off switch and the unit should power on. The LED on the left or under of the monitor panel should turn from orange to green, verifying that the unit is operational.

4.4 Testing the Console

To test that the console is working properly, perform the following steps:

1. Power up the console, and then turn on your computer.
2. Make sure the video image is centered within the screen area. Use the OSD controls to adjust the image (see note below) or press the Auto button on the right hand side of the monitor.



If the unit does not power up when the panel is pulled up, try pushing the soft power on/off button on the left or under side of the monitor panel to power up the unit.



You can adjust the horizontal and vertical position, contrast, and brightness to better suit your video card and your personal preference. Refer to Chapter 2 for more information on using the on-screen menu to adjust the video display.

Before you begin, make sure that powers to all the devices you will be connecting up have been turned off. To prevent damage to your installation due to ground potential difference, make sure that all the devices on the installation are properly grounded. Consult your direct vendor for any technical issues if necessary.

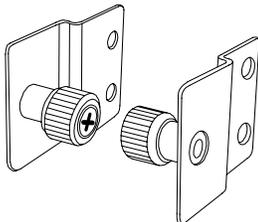
5. Modular (Integrated) KVM Switch

For the KVM switch User Guide, please consult with the documentation pertaining to your Modular ComboCAT or ComboX KVM Switch.

5.1 Integrating the Modular KVM Switch with ComboXCAT Console Drawer

5.1.1 Hardware Kit Contents

1. Bracket with thumb screw x 2

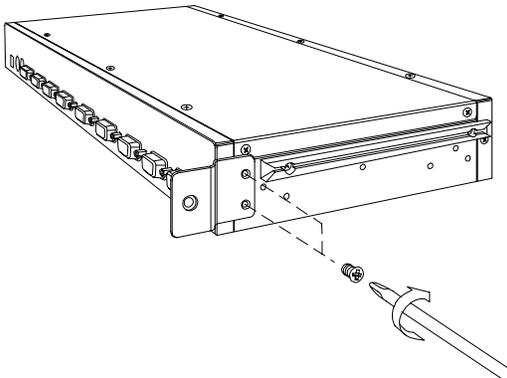


2. 6mm Screw x 4



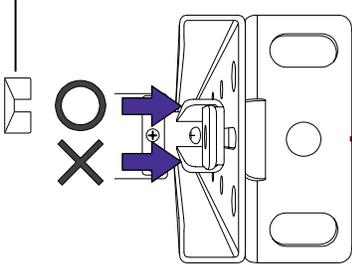
5.1.2 Installing the Modular KVM Switch

1. Install two 6mm screws to combine bracket and KVM switch, (two screws on each side).

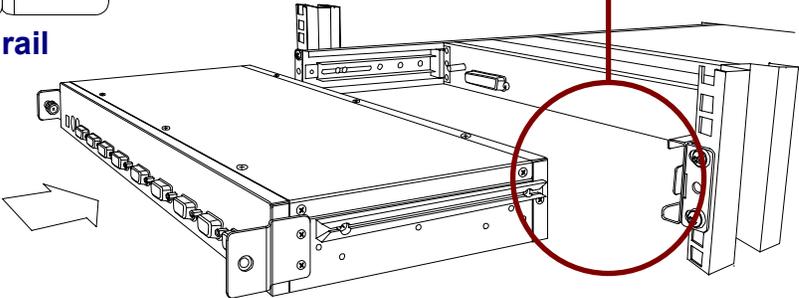


2. Push the KVM switch into the rails from the back of the rack.

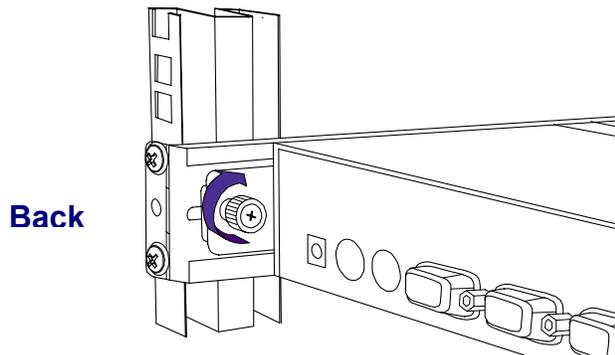
Plastic rail of KVM switch



Back view of rail

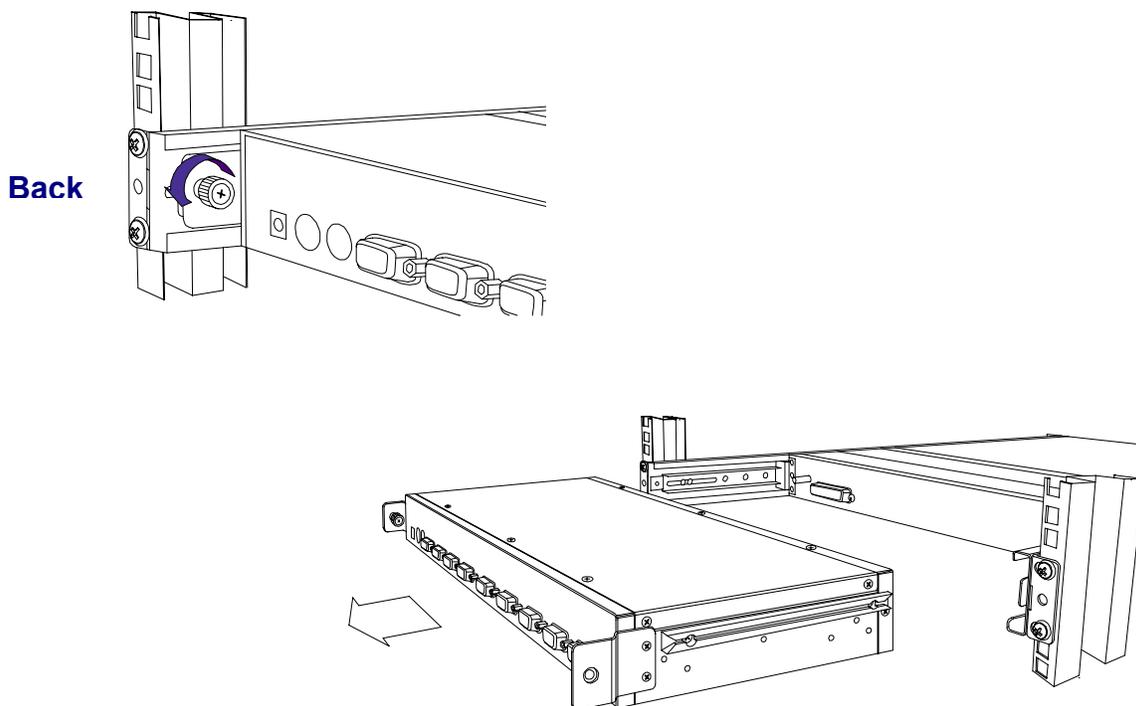


3. Tighten-up thumb screw of bracket (one on each side) to secure KVM switch behind the console drawer and complete the installation.

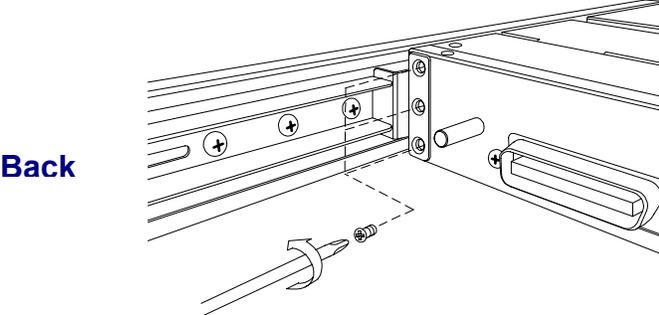


6. Removing the Console Drawer

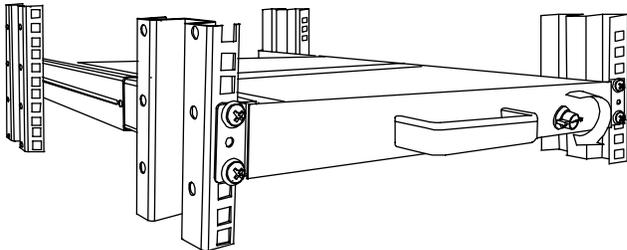
1. Make sure the console has locked and turned off.
2. Loosen-up the two thumb screws securing the KVM Switch in the back of the unit and pull the modular KVM switch out.



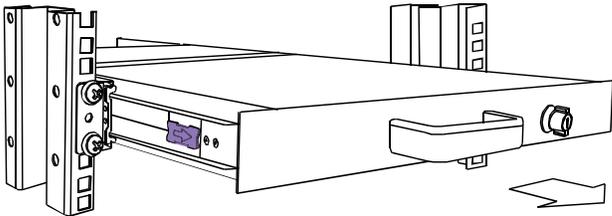
3. Release three screws securing the back of the console drawer on both sides.



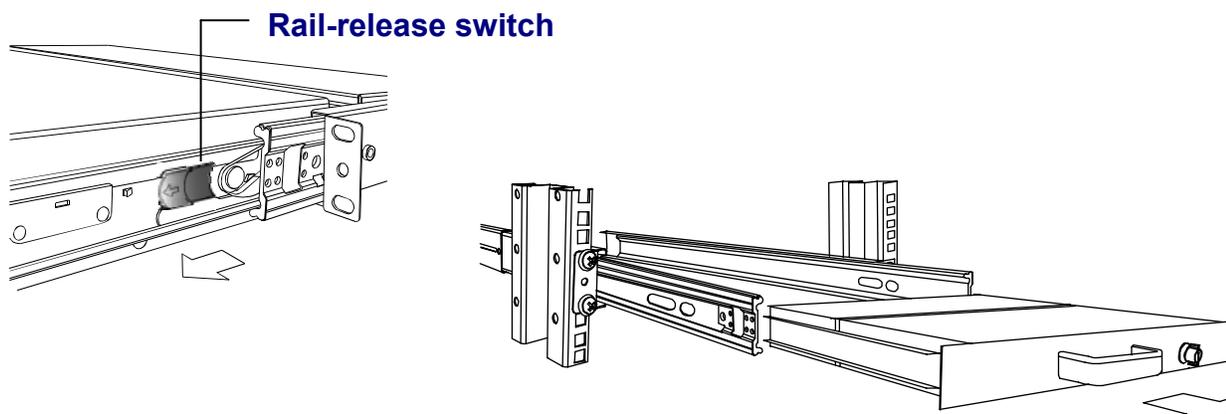
4. Unlock the front of the console drawer.



5. Pull the console drawer out until it locks.



6. Pull the rail-release switches (on both sides, simultaneously) and carefully pull the console drawer out.



7. Push the rail-lock switches on both sides of the rail simultaneously and push rails back in.

