

Package Contents

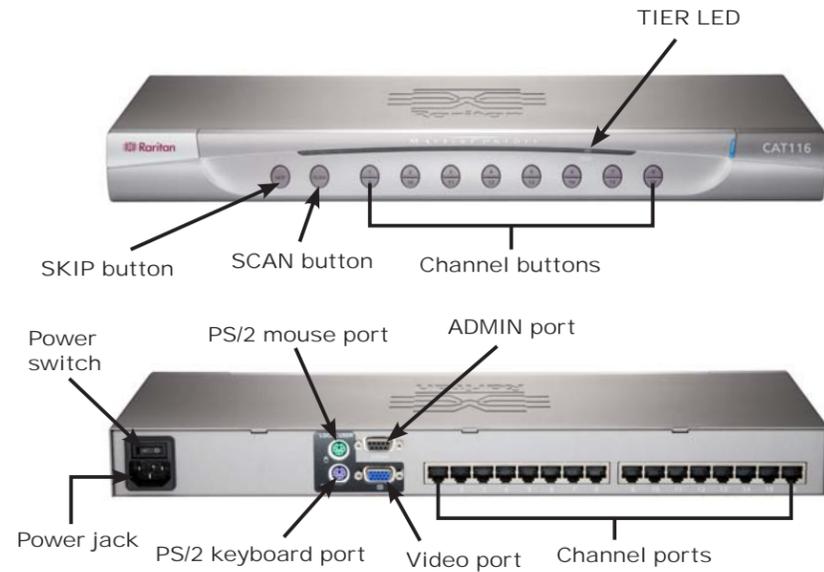
The MasterConsole CAT (MCCAT) package contains the following items. If you find anything missing, contact the local dealer or Raritan technical support for help.

- MCCAT unit
- Power cord
- Rackmount kit (including brackets and associated screws)
- Quick Installation and Setup Guide
- Warranty Card

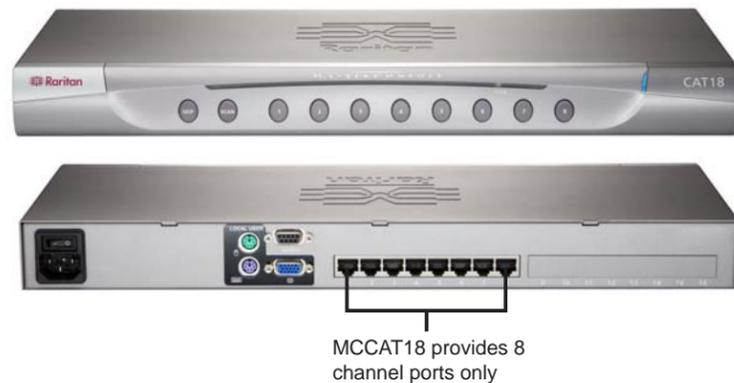
Overview

There are two models for one-user MCCAT units: MCCAT116 and MCCAT18. These models share the same features. The only difference is that MCCAT116 comes with 16 channel ports while MCCAT18 comes with 8 channel ports.

MCCAT116



MCCAT18



What to Read

The product allows you to establish either a one-tier MCCAT system, which comprises of one single MCCAT unit only, or a two-tier MCCAT system, which comprises of multiple MCCAT units. Depending on whether you want to establish a one-tier or two-tier system, the sections that you should read in this guide vary.

For a one-tier system, read:

- Connecting Computers
- Selecting a Channel

For a two-tier system, read:

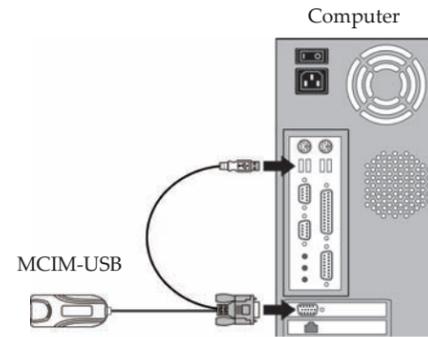
- Building a Two-tier System
- Connecting Computers
- Selecting a Channel

For more information about the features and operation, download the *MCCAT User Guide* from Raritan's website. See "Downloading the User Guide" for download instructions.

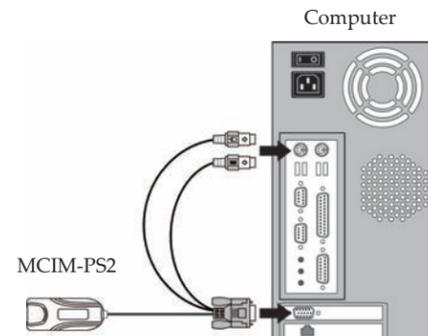
Connecting Computers

1. Make sure all devices are NOT powered, including computers (or servers), MCCAT unit and the monitor.
2. Connect an MCIM (either MCIM-USB or MCIM-PS2) to one of the computers.

- If using the MCIM-USB:
 - a. Connect MCIM's USB connector to one of the USB ports of the computer.
 - b. Connect MCIM's video connector to the video port of the computer.

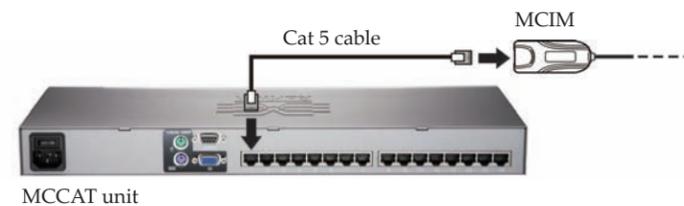


- If using the MCIM-PS2:
 - a. Connect MCIM's PS/2 mouse connector to the PS/2 mouse port of the computer.
 - b. Connect MCIM's PS/2 keyboard connector to the PS/2 keyboard port of the computer.
 - c. Connect MCIM's video connector to the video port of the computer.

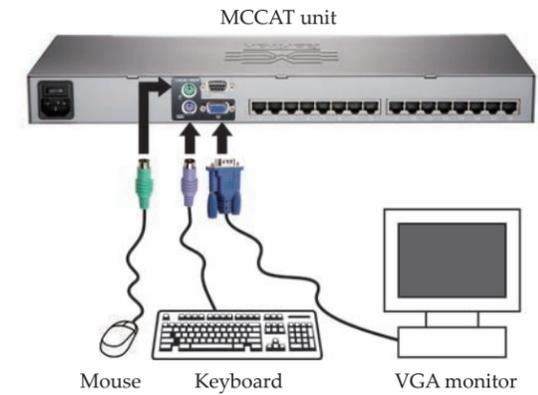


3. Connect the computer to one of the channel ports on your MCCAT unit via a standard Category 5 (Cat 5) cable.

- a. Connect one end of the Cat 5 cable to the RJ45 port of the MCIM being attached to the computer.
- b. Connect the other end of the Cat 5 cable to one of the RJ45 channel ports of the MCCAT unit.



4. Repeat Steps 2 to 3 if you want to connect more computers to the MCCAT unit.
5. Connect the PS/2 keyboard, mouse and VGA monitor to the MCCAT unit.
 - a. Connect the PS/2 keyboard to the PS/2 keyboard port of the MCCAT unit.
 - b. Connect the PS/2 mouse to the PS/2 mouse port of the MCCAT unit.
 - c. Connect the VGA connector of the monitor to the video port of the MCCAT unit.

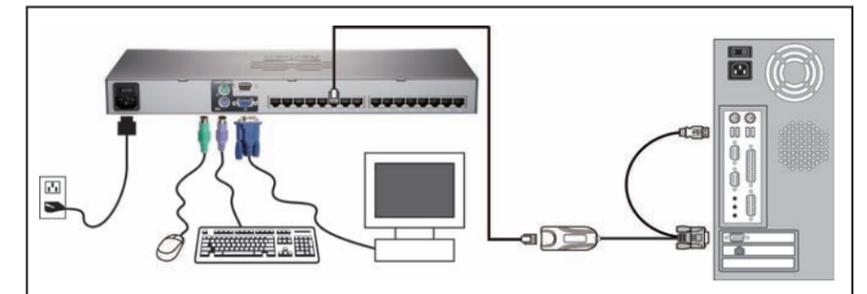


6. Connect the appropriate power cords to all devices, including the MCCAT unit, attached computers and monitor; connect the other end of these power cords to working power outlets.



6. Switch ON the attached computers and monitor.
7. Switch ON the MCCAT unit.

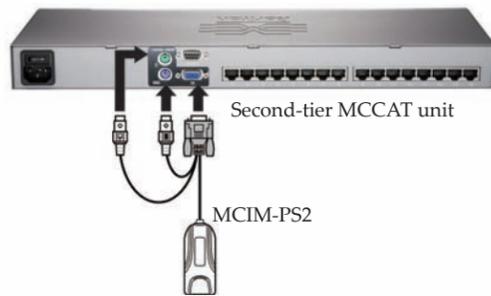
ONE-TIER MCCAT SYSTEM



Building a Two-tier System

You may cascade multiple MCCAT units of the same or different models to form a two-tier system so the number of available channel ports increases. Up to 256 computers can be connected in this system.

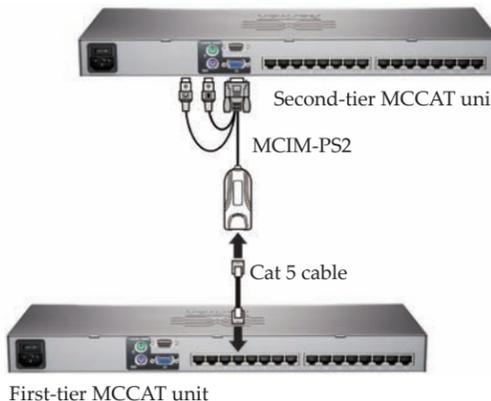
1. Leave aside one MCCAT unit that you want to make it the first-tier unit (or base unit) of the two-tier system.
2. Programme the rest of the MCCAT units as the second-tier devices by following the procedure below.
 - a. Switch OFF the MCCAT unit.
 - b. Press and hold down its channel number 2 button on the front panel; then switch ON the MCCAT unit.
 - c. Continue to hold down the channel number 2 button until you hear the beep sound.
 - d. The TIER LED on the front panel is lit, indicating this MCCAT unit is now programmed as a second-tier device.
 - e. Repeat Steps a to d to programme other MCCAT units, if any, as second-tier devices.
3. Attach MCIM-PS2 to each second-tier MCCAT unit.
 - a. Connect MCIM's PS/2 mouse connector to the PS/2 mouse port of the second-tier MCCAT unit.
 - b. Connect MCIM's PS/2 keyboard connector to the PS/2 keyboard port of the second-tier MCCAT unit.
 - c. Connect MCIM's video connector to the video port of the second-tier MCCAT unit.



- d. Repeat Steps a to c until all second-tier MCCAT units have the MCIM-PS2 attached.

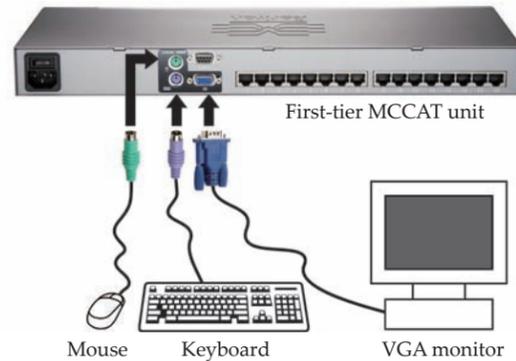
IMPORTANT: Use only MCIM-PS2 to connect second-tier MCCAT units. Do NOT use MCIM-USB or other CIMs for such connection.

4. Connect the second-tier MCCAT units to the first-tier MCCAT unit.
 - a. Connect one end of a Cat 5 cable to the RJ45 port of the MCIM-PS2 being attached to a second-tier MCCAT unit.
 - b. Connect the other end of the Cat 5 cable to one of the channel ports of the first-tier MCCAT unit.



- c. Repeat Steps a to b until all second-tier MCCAT units are connected to the first-tier MCCAT unit.

5. Connect the PS/2 keyboard, mouse and VGA monitor to the first-tier MCCAT unit.
 - a. Connect the PS/2 keyboard to the PS/2 keyboard port of the MCCAT unit.
 - b. Connect the PS/2 mouse to the PS/2 mouse port of the MCCAT unit.
 - c. Connect the VGA connector of the monitor to the video port of the MCCAT unit.



- d. Connect the monitor's power cord to the appropriate power outlet and switch it on.
6. Connect the power cords to the second-tier MCCAT units and switch them ON.
 7. Connect the power cord to the first-tier MCCAT unit and switch it ON.



8. Specify the type of the second-tier MCCAT units in the Configuration Menu of the On-Screen Display (OSD) interface.
 - a. Activate the OSD by pressing the **Scroll Lock** key twice QUICKLY. The OSD appears on the screen.
 - b. Press **F4** to display the Configuration Menu.

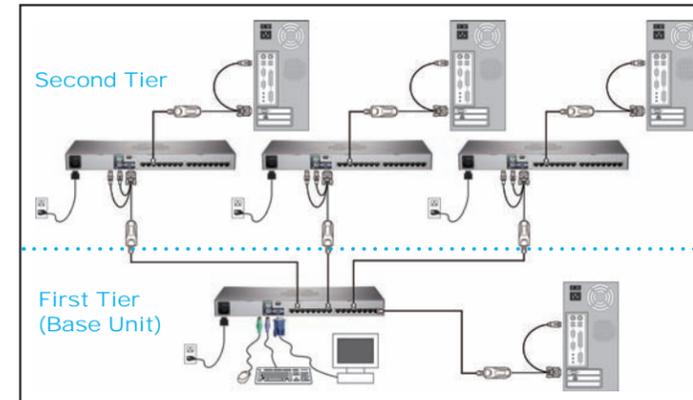


- c. Press **Tab** to select the *Device* field. The first dot of the *Device* field blinks when the field is selected.
- d. The dots from left to right represent the first-tier MCCAT unit's channel numbers 1, 2, 3 and so forth. Press RIGHT or LEFT arrow keys (→, ←) to select the appropriate dot and type *y* for MCCAT18 or *z* for MCCAT116. For example, if connecting the MCCAT18 unit to the third channel port of the first-tier unit, select the third dot and type *y*; if connecting MCCAT116 to the fifteenth channel port, select the fifteenth dot and type *z*.



9. Connect computers to the two-tier MCCAT system. For detailed information, see "CONNECTING COMPUTERS."
 - a. Attach an MCIM (MCIM-PS2 or MCIM-USB) to each computer.
 - b. Connect Cat 5 cables to MCIMs being attached to the computers.
 - c. Connect the other end of Cat 5 cables to available channel ports of the second-tier or even first-tier MCCAT units.

TWO-TIER MCCAT SYSTEM



Selecting a Channel

After installation, you can select any channel to access the computers attached to the MCCAT unit. There are two methods to select a channel:

- Front panel buttons
- OR -
- OSD interface

Front Panel Approach

1. Verify the OSD is not displayed on the screen. Otherwise, the front panel operation is invalid.
2. Press the button whose number is the same as the number of the channel port where the desired computer is connected.

The video of the chosen computer will appear on the screen and you can control the computer with the keyboard and mouse attached to the MCCAT unit.

Note: This approach can only apply to a one-tier MCCAT system or to those computers attached with the first-tier MCCAT unit in a two-tier system.

OSD Approach

The default name for the connected computers is shown PC<xxxx> on the OSD and the name for the second-tier MCCAT units is shown /MCCAT<xx>. <xxxx> and <xx> are the numbers of the channel ports where these devices are attached.

1. Press the **Scroll Lock** key twice QUICKLY to activate the OSD interface. The OSD appears on the screen, with the Selection Menu displayed.

Selection Menu				Raritan
MC:	Ch. ID	Name	Status	
MCCAT116	01	PC0001	+S05	Page 1/6
	02	PC0002	+S05	
	03	/MCCAT03	+S05	
	04	PC0004	+S05	
	05	PC0005	+S05	
	06	/MCCAT06	+S05	
	07	PC0007	+S05	
	08	PC0008	+S05	

2. (Optional) If the desired channel is not found on the current page, press **Page Down** or **Page Up** to switch between pages.
3. Press the DOWN or UP arrow keys (↓, ↑) to move the yellow highlight bar to the desired channel.
4. Press **Enter** to access the computer. The OSD disappears and the video of the selected computer appears.

Now you can control the computer with the keyboard and mouse attached to the MCCAT unit. To access another channel or computer, repeat Steps 1 to 4.

Downloading the User Guide

The MCCAT user guide, which provides more information regarding the product's features and operation, is downloadable from the Raritan website (www.raritan.com).

English User Guide

1. Link to the Raritan website (www.raritan.com) with your browser.
2. Click *Support > Firmware and Documentation > MasterConsole CAT*.
3. Click the User Guide on the right pane.
4. Click the latest version to download if a list of user guides are shown on the screen.
5. Follow the onscreen instructions until the download completes.

User Guide in Other Languages

Raritan offers up to six translated user guides for users whose tongue language is NOT English.

1. Link to the Raritan website (www.raritan.com) with your browser.
2. Choose the desired language from the drop-down list of the *Choose Country* field. Now you are directed to the regional Raritan website.
3. Locate the MasterConsole CAT user guide on that website and click it to start the download process.