Ross Video Acuity Switcher

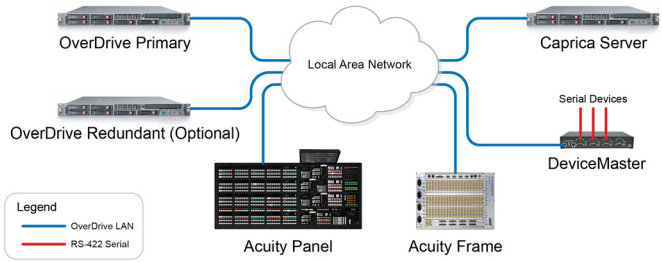
This device setup sheet provides instructions to connect an OverDrive system with a Ross Video Acuity switcher through a Caprica Server.

The following topics are discussed in this chapter:

- OverDrive System Connections
- OverDrive Server Peripheral Connections
- Switcher Communications Setup
- Configuring an Acuity Switcher Caprica Device
- Connecting OverDrive to Your Caprica Server
- Compatibility
- Limitations
- Bus Map Rules

OverDrive System Connections

In an OverDrive system, an Ultrix Acuity switcher connects to the OverDrive Server through a Caprica Server. The following diagram illustrates the cabling layout of the Ultrix Acuity switcher connection to an OverDrive system.



Ultrix Acuity Switcher Connection to an OverDrive System

✶ In an Ultrix Acuity MultiPanel configuration, OverDrive is only able to interface with the Master Panel. OverDrive cannot interface with the Satellite panels in an Ultrix Acuity MultiPanel configuration.

The following OverDrive system components connect through the internal network of your company:

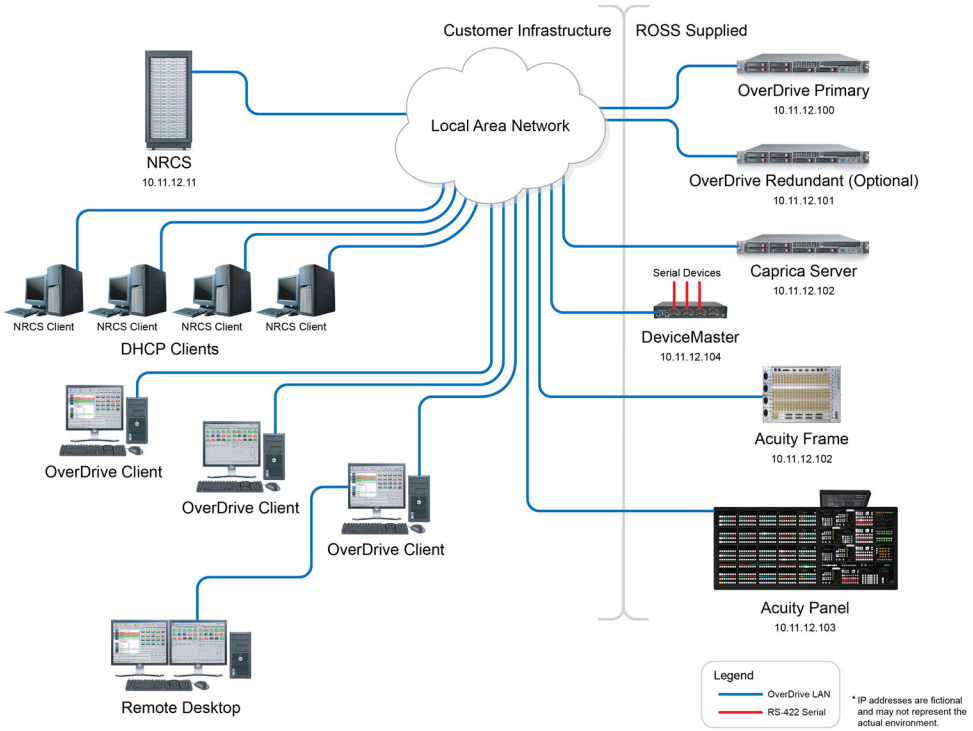
- OverDrive Primary Server and OverDrive Redundant Server (optional)
- Caprica Server
- Ultrix Acuity frame and panel

Cabling to connect to OverDrive system components an internal network is not provided with OverDrive systems.

To connect an Ultrix Acuity switcher to an OverDrive system:

1. Verify that the **OverDrive Server** is connected to your internal network through Ethernet port **1** on the back of the server.
2. Verify that the **Caprica Server** is connected to your internal network.
3. Use an **Ethernet** cable to connect the DeviceMaster **UP** port to your internal network.
4. Use an **Ethernet** cable to connect the Ultrix Acuity Frame to your internal network.
5. Use an **Ethernet** cable to connect the Ultrix Acuity Panel to your internal network.

The following diagram illustrates the overall cabling layout of an OverDrive system with an Ultrix Acuity switcher.



OverDrive System with an Ultrix Acuity Switcher

OverDrive Server Peripheral Connections

The OverDrive system comes with a USB Keyboard that can be connected to a USB port on the OverDrive computer.

- USB/KVM extenders can interfere with OverDrive system operation and are not supported for use with OverDrive client computers. Place OverDrive client computers within the standard keyboard, video, and mouse cable lengths from the operator.

Touch-screen monitors may be purchased as an option to provide a dual-monitor display. Contact your Ross Video representative for more information on this option.

- For DELL OverDrive computers, connect the primary monitor to plug number 1 on the Y break-out cable attached to the back of the computer to ensure that the primary monitor is used for the POST and the operating system.

For More Information on...

- cabling an OverDrive Server, refer to the ***Cabling Your OverDrive Server Quick Start Guide***.
- cabling an Caprica Server, refer to the ***Cabling Your Caprica Server Quick Start Guide***.
- cabling an Ultrix Acuity switcher, refer to the switcher setup documentation supplied with your switcher.

Switcher Communications Setup

On your Acuity switcher you must assign a Peripheral port and start communications to enable OverDrive to control your Acuity switcher.

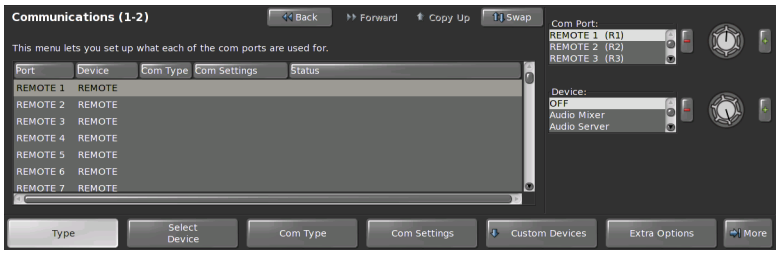
Peripheral Port

OverDrive communicates with your Acuity switcher over a Peripheral port.

To configure a Peripheral port to communicate with OverDrive:

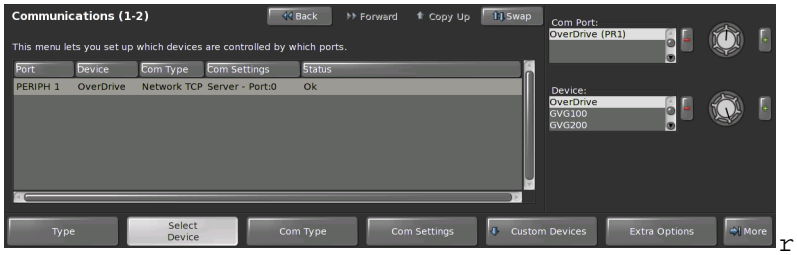
1. Navigate to the **Communications Menu (1-2)** by pressing **Home** > **Setup** > **Installation** > **Com Setup**.
2. Configure the Peripheral port 1 port for OverDrive communication as follows:
   a. Press **Type**.

      The **Type** page opens.



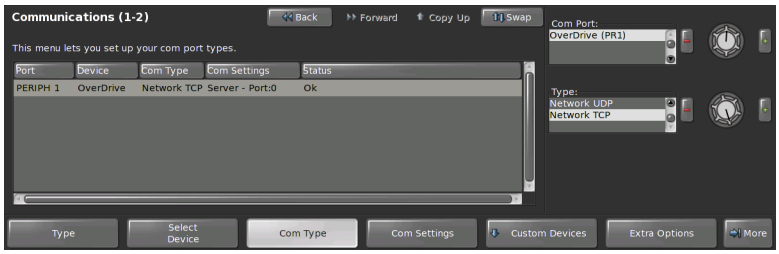
   b. Use the **Com Port** knob to select **PERIPH 1 (PR1)**.
   c. Use the **Device** knob to select **Editor**.
3. Assign the OverDrive device to Peripheral port 1 as follows:
   a. Press **Select Device**.

      The **Select Device** page opens.

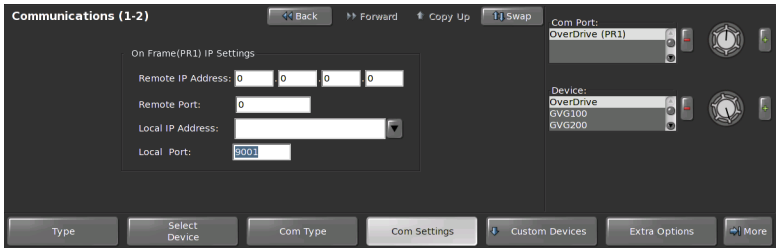


   b. Use the **Com Port** knob to select **PERIPH 1 (PR1)**.
   c. Use the **Device** knob to select **OverDrive**.

4. Select the type of communication that is used to communicate with OverDrive as follows:
   a. Press **Com Type**.
      The **Com Type** page opens.



   b. Use the **Com Port** knob to select **PERIPH 1 (PR1)**.
   c. Use the **Type** knob to select **Network TCP**.
5. Set the communication settings Peripheral port 1 as follows:
   a. Press **Com Settings**.
      The **Com Settings** page opens.



   b. Use the **Com Port** knob to select **PERIPH 1 (PR1)**.
   c. Use the **Client/Server** knob to select **Server**.
   d. In the **Local Port** box, enter `9001`.
6. Press **Home**.
   The **Installation Change Confirmation Screen** opens.
7. Press **Confirm** to save your Peripheral port 1 configuration.

Start Communications

After configuring Peripheral port 1 and an External Link port 2, you must turn the Editor on to enable OverDrive to control your Acuity switcher.

To enable OverDrive to control your Acuity switcher:

1. Navigate to the **Remote Enables** menu by pressing **Home** > **More** > **Remote Enables**.
2. Toggle the **Editor** button to **ON**.

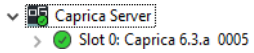
Configuring an Acuity Switcher Caprica Device

The SWITCHER1 device on the Caprica Server enables the OverDrive Server to communicate with an Acuity switcher in an OverDrive system.

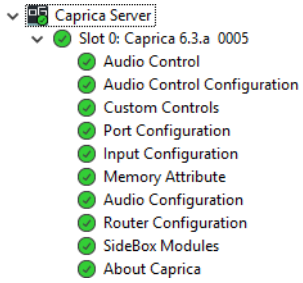
To configure the SWITCHER1 device for an Acuity switcher:

1. On the Client computer, verify that the following conditions are true:
   - The Client computer uses the current version of **DashBoard** software.
   - The Client computer can access a running Caprica Server on the network.
2. Use one of the following methods to launch **DashBoard**:
   - Double-click the **DashBoard** icon on the desktop.
   - Use the **Start** menu to select **All Programs** > **DashBoard** > **DashBoard**.

   DashBoard opens.
3. In the **DashBoard Tree View**, expand the **Caprica Server** node.
   The **Caprica Server** node displays the available Caprica Servers.

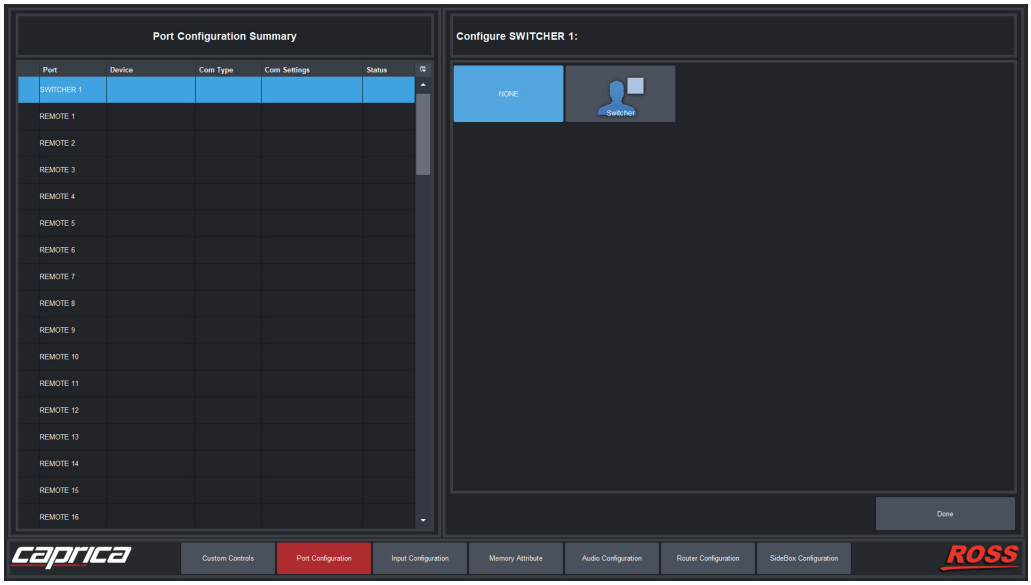


4. In the **Caprica Server** node, expand the **Slot 0: Caprica** node.
   The **Slot 0: Caprica** node displays the available Caprica Server clients.

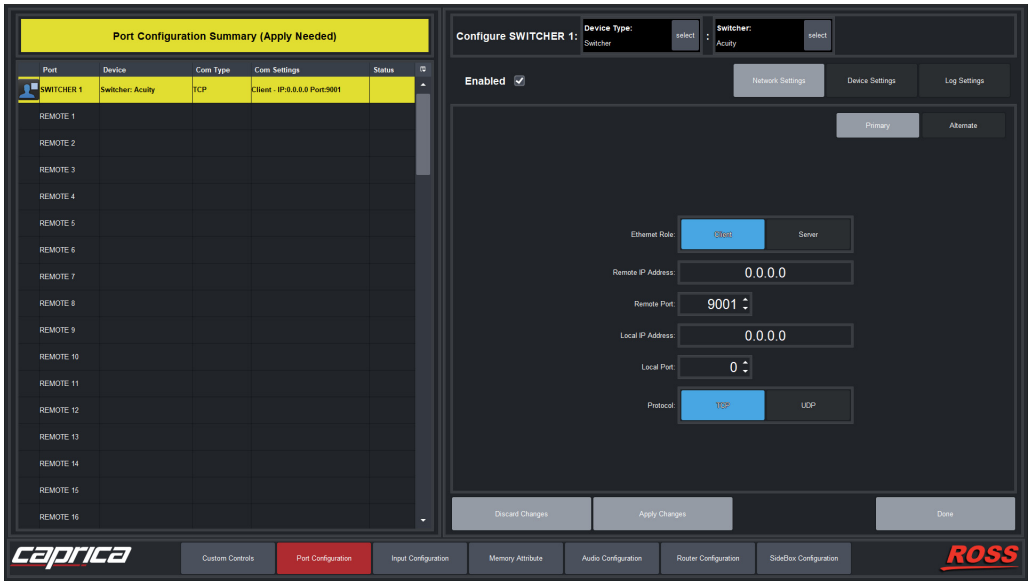


5. Double-click the **Port Configuration** node.
   The **Port Configuration** client opens in the **Device View**.
6. Use the **Window** menu to select **Full Screen**.
   The **Port Configuration** client expands to full screen view.

7. In the **Port Configuration Summary** table, double-click **SWITCHER1** in the **Port** column.
   The **Configure SWITCHER1** panel opens.

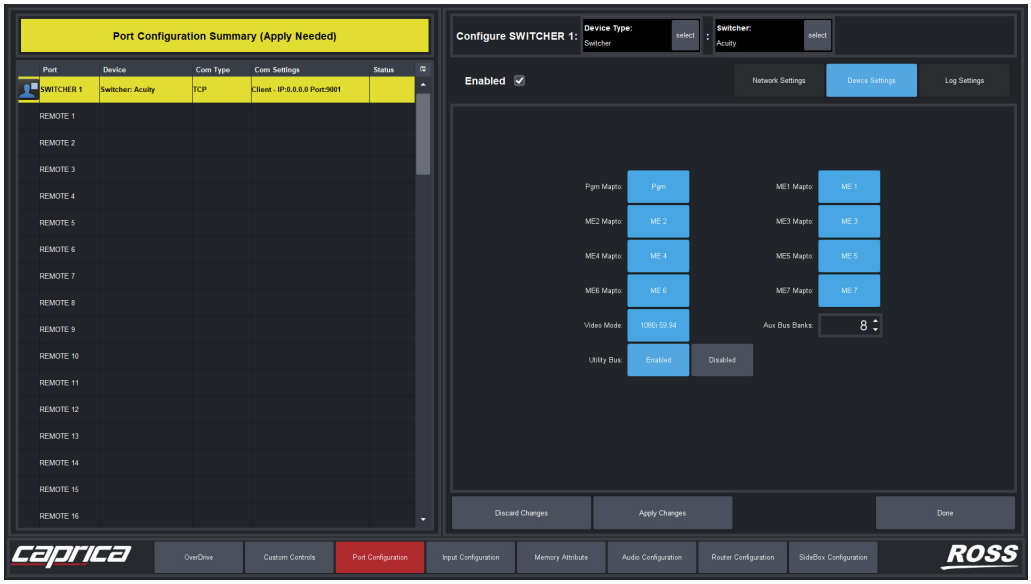


8. In the **Configure SWITCHER1** panel, click **Switcher**.
   The **Configure SWITCHER1** panel lists the available switchers.
9. Click **Acuity**.
   The **Configure SWITCHER1** panel displays the **Network Settings** for an Acuity switcher.



10. To enable Caprica to control the device you are configuring, confirm that the **Enable** check box is selected for the device. When you clear the **Enable** check box for a device, Caprica ignores and does not control the device.
11. For the **Ethernet Role** setting, click **Client**.

12. In the **Remote IP Address** box, enter the IP address of your Acuity switcher.
13. Use the **Remote Port** box to enter or select `9001`.
14. In the **Local IP Address** box, enter `0.0.0.0`.
15. Use the **Local Port** box to enter or select `0`.
16. For the **Protocol** setting, click **TCP**.
17. Click **Device Settings**.
    The **Configure SWITCHER1** panel displays the **Device Settings** for an Acuity switcher.



18. Click **PP Mapto** to select the ME on your Acuity switcher to map to the Program bus in Caprica.
19. Click **ME1 Mapto** to select the ME on your Acuity switcher to map to ME1 in Caprica.
20. Click **ME2 Mapto** to select the ME on your Acuity switcher to map to ME2 in Caprica.
21. Click **ME3 Mapto** to select the ME on your Acuity switcher to map to ME3 in Caprica.
22. Click **ME4 Mapto** to select the ME on your Acuity switcher to map to ME4 in Caprica.
23. Click **ME5 Mapto** to select the ME on your Acuity switcher to map to ME5 in Caprica.
24. Click **ME6 Mapto** to select the ME on your Acuity switcher to map to ME6 in Caprica.
25. Click **ME7 Mapto** to select the ME on your Acuity switcher to map to ME7 in Caprica.
26. Click the **Video Mode** setting button to select the video format set on your Acuity switcher.
27. Use the **Utility Bus** buttons to control the use of the Acuity switcher Utility Bus.The available settings are as follows:
    - **Enable** (new install default) — enable access to the Acuity switcher Utility Bus.
      - › **Custom Controls** — access Custom Controls in the Utility Bus, including setting bus sources and copying bus functions. Custom Control Utility Bus functions also work using RossTalk commands.
      - › **Memory Recalls** — switcher memories that include Utility Buses. Caprica Custom Controls can also recall these memories. When OverDrive templates recall these memories, the Utility Buses will recall their saved bus sources.
    - **Disable** (upgrade default) — disable access to the Acuity switcher Utility Bus.
28. Use the **Aux Bus Banks** box to enter or select the number of aux bus banks on your Acuity switcher.

29. Click **Apply Changes** to save the switcher settings.
30. Click **Done** to close the **Configure SWITCHER1** panel.
31. To view the connection status between your switcher and Caprica, click the **About Caprica** node of your **Caprica Server** in the **DashBoard Tree View**.

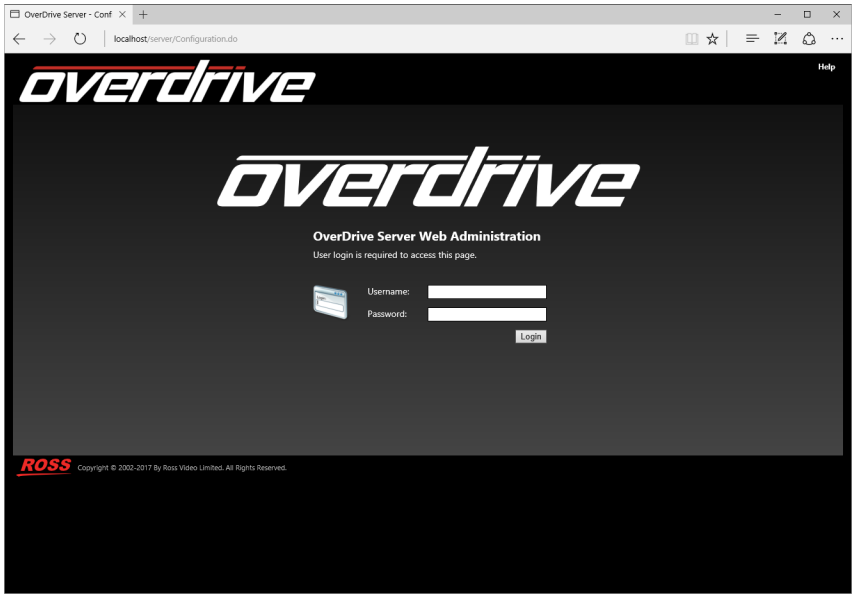
Connecting OverDrive to Your Caprica Server

In OverDrive, you use the Server Configuration web page to configure the OverDrive Server to communicate with the OverDrive system switcher through the Caprica Server.

To configure OverDrive to communicate with the Caprica Server:

1. Use one of the following methods to open the **OverDrive Server Web Administration** web page:
   - On the desktop, double-click the **OverDrive Server** icon.
   - Use the **Start** menu to select **All Programs** > **OverDrive** > **OverDrive Server**.

   The **OverDrive Server Web Administration** web page opens in a web browser window.



- When **Microsoft Internet Explorer®** is used through a Remote Desktop Connection to view the **OverDrive Server Web Administration** web page, the OverDrive Server connection LEDs along the top of the web page may not display in the proper location. To properly display OverDrive Server connection LEDs, follow these steps:

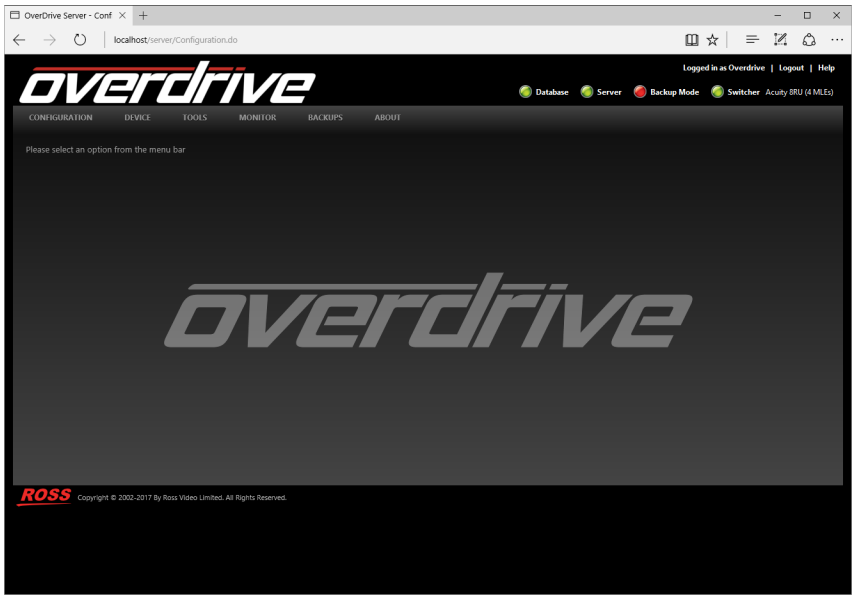
  a. In **Microsoft Internet Explorer®** on the remote computer, press **ALT**.
  b. Use the **Tools** menu to select **Compatibility View Settings**.
  c. In the **Compatibility View Settings** dialog box, clear the **Display intranet sites in Compatibility View** check box.
  d. Click **Close**.

  The OverDrive Server connection LEDs are automatically re-displayed in the correct location.

2. Enter the following user name and password in the provided boxes:
   - **Username** — `rverdrive`
   - **Password** — `<yrur_passwrrd>`

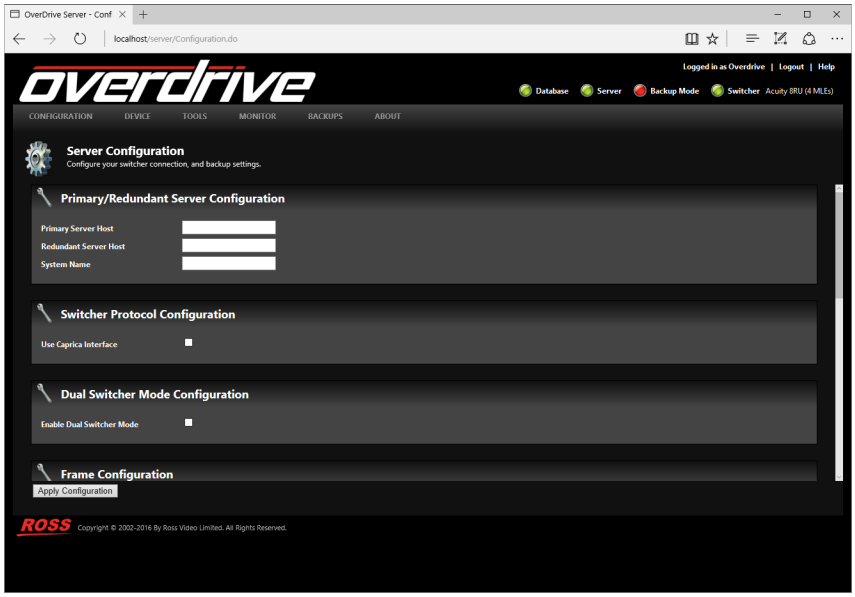
   Usernames are not case sensitive.

3. Click **Login**.
   The **OverDrive Server - Main** web page opens.



✶ After 30 minutes of inactivity on any of the OverDrive Server web pages, OverDrive automatically logs you out and returns you to the **OverDrive Server Web Administration** web page.

4. Check the **Database**, **Server** and **Switcher** connection status LED icons to verify that the OverDrive Server is running.
5. In the **OverDrive Server** web page, use the **CONFIGURATION** menu to select **Server**.
   The **Server Configuration** web page opens.

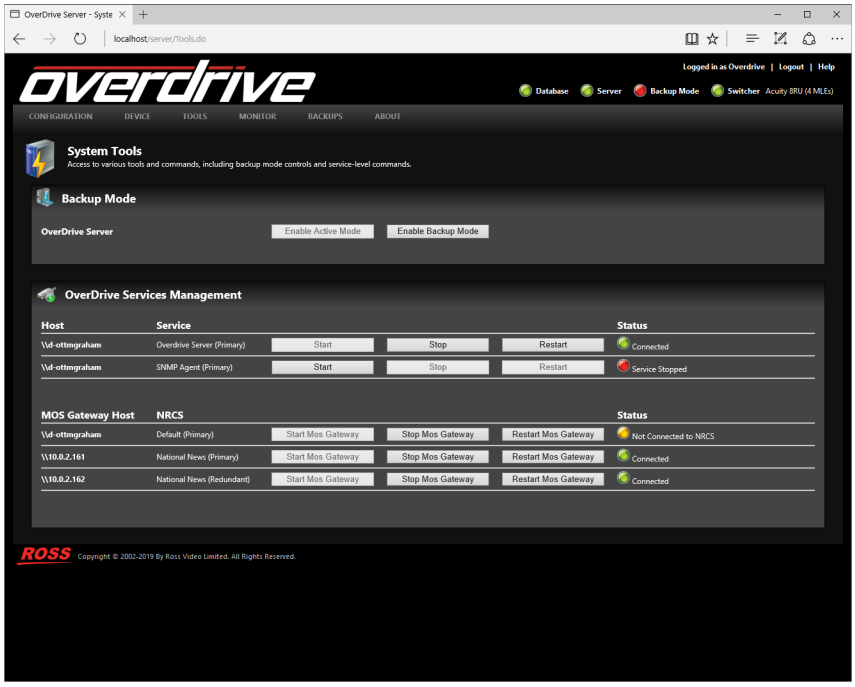


6. In the **Switcher Protocol Configuration** section, select the **Use Caprica Interface** check box.
   The **Caprica Interface Connection** section opens.

7. In the **Caprica Interface Connection** section, enter the IP address of the Caprica Server or Caprica Server Cluster in the **Host** box.
   To view the IP address of the Caprica Server, hover your mouse over the **Caprica Server** node in the **DashBoard Tree View**.

✶ The default port number `12345` in the **Network Port** box should not be changed. If you need to change the network port number, please contact Ross Video Technical Support. Refer to the section "**Contacting Technical Support**" on page 4–11 for contact details.

8. Click **Apply Configuration** to save and apply the frame and panel port settings.
9. Use the **TOOLS** menu to select **System Services**.
   The **System Tools** web page opens.



10. In the **OverDrive Services Management** section, click **Restart Server**.
    Caprica is connected to your OverDrive system when the **Switcher** LED icon at the top of the OverDrive Server Web Administration web page turns green. Hover the mouse over the **Switcher** LED icon to view the switcher connection status in a Tool Tip. Click the **ABOUT** menu to view switcher and editor state in the **About OverDrive** web page.

Compatibility

- **Switcher**
  - › Ross Video Acuity 9.0a or greater
- **Automation**
  - › OverDrive 19.1 or greater
  - › Caprica Server 6.1 or greater

Limitations

The following limitations apply to an OverDrive system configured with a Acuity switcher connected to the OverDrive system through a Caprica Server:

- The Fade To Black transition in Overdrive does not function. You can use the RossTalk FTB command or a GPI to make an Acuity switcher fade to and from black.
- In your Acuity switcher bus map you must set a crosspoint button that maps the highest ME to the switcher program out. For example, on a 3 ME switcher you would map ME 3 to PGM A.

Bus Map Rules

The following bus map rules apply to an OverDrive system configured with an Acuity switcher connected to the OverDrive system through a Caprica Server:

- All buses must use the same bus map. On an Acuity switcher, you can use the Periph port extra options to select the specific bus map for the switcher to use.
- Bus maps used with OverDrive must not contain duplicate sources.
- The Program A output of every ME must be mapped in the bus map used by OverDrive.
- If you are using the Utility Bus feature, the Program B output of every ME must be mapped in the bus map used by OverDrive.

Contacting Technical Support

Technical Support is staffed by a team of experienced specialists ready to assist you with any question or technical issue.

Ross Video has technical support specialists strategically located around the globe to ensure a prompt response to technical inquiries. Our primary technical support center is located in Ottawa, Ontario, Canada. In addition, we have offices in The United Kingdom (London), Australia (Sydney), and Singapore with satellite locations in New York City, The Netherlands, and China. As we expand our presence globally, we are constantly evaluating other key locations to have a local technical support specialist in order to better service our customers.

North America

Our North America center located in Ottawa, Ontario, Canada and is open Monday to Friday 8:30 a.m. to 6:00 p.m. EST, with 24/7/365 on-call service after hours.

Our telephone number is: +1-613-686-1557

Toll free within North America: +1 833-859-0499

EMEA

Our EMEA center is open Monday to Friday 8:30 a.m. to 5:00 p.m. GMT. After hours support is provided by our North America location.

Our telephone number is: +44 (0)1189502446

International toll free: +800 3540 3545

If the local support specialist is not available, your call will be transferred automatically to our North America center.

Australia

Our Sydney, Australia office is located in Alexandria, NSW.

Our local support telephone number is: 1300 007 677

If the local support specialist is not available, your call will be transferred automatically to our North America center.

Online

E-mail: techsupport@rossvideo.com

Website: open a support request using the link https://support.rossvideo.com/ to open a support request.

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