

## Harmonic Spectrum

### Requirements

- Video Server Control software option
- If you are using multiple video channels on the Harmonic Spectrum, each channel should be assigned to a separate **Remote Port**.
- Ethernet Cable

### Port Connections

Communications		
Video Server Ethernet	>	Local Area Network Ethernet

Video		
Switcher Input BNC	>	Video Server Video Out BNC

### For More Information on...

- configuring switcher inputs, refer to the *Caprica User Guide*.

### Remote Device Port Configuration Settings

Use the following procedure to configure a remote device for your Harmonic Spectrum on the Caprica Server:

1. Use the current version of **DashBoard** software to connect to your **Caprica Server**.
2. In the **DashBoard Tree View**, double-click the **Port Configuration** node of your Caprica Server.
3. In the **Port Configuration Summary** table, double-click a **REMOTE#** port in the **Port** column.
4. In the **Configure REMOTE#** panel, click **Server/VTR**.
5. Click **VDCP**.
6. Click **Network Settings**.
7. Use the following settings to configure the **Network Settings** for your Harmonic Spectrum:
  - **Ethernet Role** — Client
  - **Remote IP Address** — IP address of your Raccoon computer
  - **Remote Port** — port number set in the Raccoon `config.ini` file for the video server channel
  - **Local IP Address** — 0.0.0.0
  - **Local Port** — 0

- **Protocol** — TCP

8. Click **Apply Changes** to save the device settings.

### Device Settings

Use the following procedure to configure the device settings for your Harmonic Spectrum on the Caprica Server:

1. Click **Device Settings**.
2. Click the **TargetMachine** button.
3. In the **Select TargetMachine** dialog box, click **Abekas Mira**.
4. Use the **MediaIDLength** setting to select the maximum character length of the Clip IDs displayed by Caprica. The available options are as follows:
  - **Short IDs** — click this button for devices that use ID lengths of up to 8 characters.
  - **Long IDs** — click this button for devices that use ID lengths of up to 32 characters.
5. Use the **Timeout** setting to enter or select the time, in fields, that the Caprica will wait for a reply from the video server before trying to resend a command.
6. Use the **Send Tries** setting to enter or select the number of times that Caprica will try to send the same command to the video server if it does not receive a confirmation response.
7. Use the **Cmd Queuing** setting to select whether Caprica requires a replies for each command sent to the video server. The available options are as follows:
  - **Strict** — click this button to resend a command, as defined by the Send Tries setting, until Caprica receives a confirmation message from the video server.
  - **Relaxed** — click this button to not require a confirmation message from the video server for each command that Caprica sends to the video server.
8. Use the **Record Time** setting to enter or select the maximum number of minutes for which the video server will record when it receives a Record transport command from a custom control.

9. Use the **Playback Mode** setting to select the playback mode that the video server uses. The available options are as follows:
  - **PB** — click this button for video servers that do not go to EE (Electronic-to-Electronic) mode.
  - **PB/EE** — click this button for video servers that do go to EE mode. When the video server receives a Pause command it stays in PB (Playback) mode. When the video server receives a Stop command it goes to EE mode.
10. Use the **Port Cmds** setting to select whether the video server supports the Open Port, Select Port, and Close Port commands. The available options are as follows:
  - **No** — click this button for video servers that do not support the Open Port, Select Port, and Close Port commands.
  - **Yes** — click this button to use the Open Port, Select Port, and Close Port commands when entering or exiting VDCP menus.
11. Use the **ExtendedChar** setting to select whether Caprica uses the extended character set for ClipIDs. The available options are as follows:
  - **No** — click this button to replace non-printing characters in ClipIDs with spaces.
  - **Yes** — click this button to use the extended character set for ClipIDs instead of replacing non-printing characters with spaces.
12. Use the **LoopRecueTime** setting to enter or select the amount of time, in frames, before the end of the clip that Caprica sends a loop command to the video server.
13. Use the **ExtendedChar** setting to select the clip list with which to associate the video server. The available options are:
  - **Clip List A** — cached clip list for fast access.
  - **Clip List B** — cached clip list for fast access.
  - **Floating list**Each clip list can only be associated with one physical video server.
14. Use the **LoopMinLength** setting to enter or select the minimum length of a clip, in seconds, that can be looped. The minimum length is 3 seconds, and the maximum is 30 seconds.
15. Use the **Play w/Alpha** setting to select whether Caprica plays the alpha channel with the video channel. The available options are as follows:
  - **No** — click this button to only play the video channel from the video server.
  - **Yes** — click this button to play both the video and alpha channels from the video server. With this option, the switcher does not check the status of the video server channels before sending the play command. Both the video and alpha input BNCs must have the video server assigned to them, and must be set up as an auto key to associate the video with the alpha.
16. Use the **Cue & Pause** setting to select whether Caprica sends a Pause command to the video server immediately after a Cue command. The available options are as follows:
  - **No** — click this button to not send a Pause command to the video server immediately after a Cue command.
  - **Yes** — click this button to send a Pause command to the video server immediately after a Cue command. This option enables the video server cue a clip and advance it so that you can preview the first frame of the clip.
17. Use the **Eject Clip** setting to select whether Caprica instructs the video server to eject the current clip before cueing the next clip. The available options are as follows:
  - **No** — click this button to not eject the current clip before cueing the next clip.
  - **Yes** — click this button to eject the current clip before cueing the next clip.
18. Use the **StatusInterval** setting to enter or select the amount of time that Caprica waits between status check requests of the video server.
19. Use the **Status Tries** setting to enter or select the number of times that Caprica will send a status check request to the video server without receiving a ready response.
20. Use the **Preroll** setting to enter or select the amount of time, in frames, to delay before transitioning to the video server.
21. In a MultiPanel system, use the **Panel** setting to select the control panel to which the video server is connected.

22. Use the **Play Skip Q** setting to select whether Caprica allows the Play command to skip the commands queued for a channel on the video server. The available options are as follows:

- **No** — click this button to add the Play command to the end of the command queue for the channel to play, then execute commands from the queue in order.
- **Yes** — click this button to execute the Play command as soon as possible, skipping the commands in the command queue for the channel to play.

23. Click **Apply Changes** to save the device settings.

24. Click **Done** to close the Configure REMOTE# panel.

#### For More Information on...

- configuring remote devices for OverDrive systems that contain a Caprica Server, refer to the *Caprica User Guide*.

### Compatibility

Video Server	Version
Harmonic Spectrum	-

Automation	Version
OverDrive	17.1 or higher
Caprica Server	4.1a or higher

### 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](mailto:techsupport@rossvideo.com)

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

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