

# QuickClip QuickStart

**QuickClip** is software for video and audio recording and playback. QuickClip software is included in Drastic's VVW Series digital disk recorders. Standalone software versions are available as well for specific video capture/playback hardware. A complete list of the supported video hardware can be found on the Drastic website, at [www.drastictech.com](http://www.drastictech.com).

This QuickStart manual offers a short tutorial of the basic features of QuickClip, allowing the user to get started immediately. For more complete instructions on how to use QuickClip, see the QuickClip User Manual.

## Cabling and Device Setup

For the purposes of this QuickStart document, the VVW Series DDR or QuickClip station will be referred to as the "**Drastic device**".

Use the following section to confirm that all of the external devices, peripherals and components are properly set up, cabled and powered.

### TO GET STARTED:

- Plug the **keyboard, mouse, and monitor** into the Drastic device. Confirm that the monitor is connected to power. Turn on the monitor.
- Connect the **external storage** (if present) to the Drastic device via the standard SCSI or Fibre Channel cable. Confirm that the external storage is connected to power and turn on the storage unit. This allows the Drastic device to "see" the storage immediately upon startup, and avoids any potential "record to" drive re-assignment.
- Connect the Drastic device, and any other timing-dependent devices in the setup (VTRs, controllers etc.) to a timing signal generator.

### SPEEDLIMIT TEST:

Run **SpeedLimit** to confirm the read/write speeds of your storage.

- Go to: Start Menu/ Programs/ Drastic Technologies/ QuickClip/ SpeedLimit. Confirm that the storage bandwidth of your media drives allows capture and playback of your required formats. Refer to the **Drastic SpeedLimit Reference Guide** for detailed instructions on how to perform this activity.
- If SpeedLimit indicates that your storage is not fast enough to perform capture and/or playback of your format on this system, you may need to increase the speed and/or capacity of your storage. If you have any questions, contact Drastic for more information.

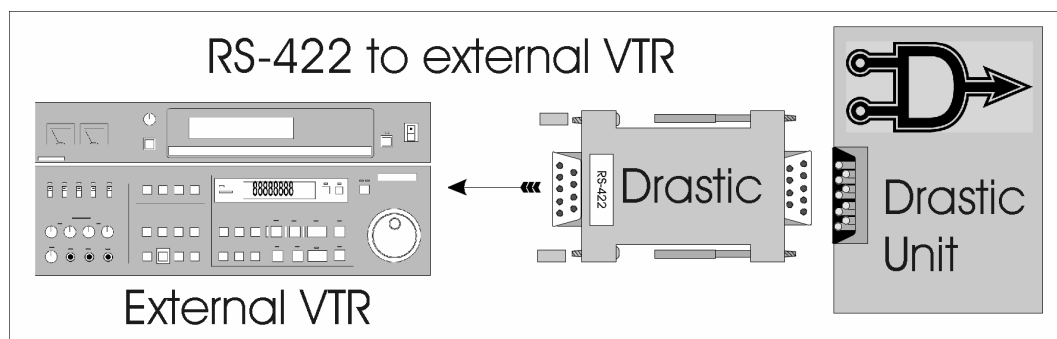
## LOCALCONFIG SETUP:

Next LocalConfig will need to be set up according to your needs.

- Run **LocalConfig** to confirm that the Drastic device is configured to operate according to your needs. Go to: Start Menu/ Programs/ Drastic Technologies/ LocalConfig.
- Confirm that the Drastic device is set to record to the correct drive on the network. Make sure that the drive selected is not the Program Drive.

### LOCALCONFIG - VTR (EXTERNAL DEVICE) CONTROL

- In the **Global** section of LocalConfig, select **VTR Control**.
- If there is no channel listed the **External** section, in the field next to the word **Channel**, press the **Add** button to add it. Use the pulldown menu to select **Ext0**.
- Set **Ext0** to the **COM** port used to connect the VTR using the pulldown menu to the right of the word Port. This menu will display all the ports available to your system.
- **Turn on the external VTR.** Confirm that the external VTR is set to Slave/Remote mode (ready to accept incoming serial control). Press **Done**. This will close LocalConfig.
- Provide the VTR with power, and a properly generated timing signal. Confirm that the VTR is set to Slave/Remote mode.

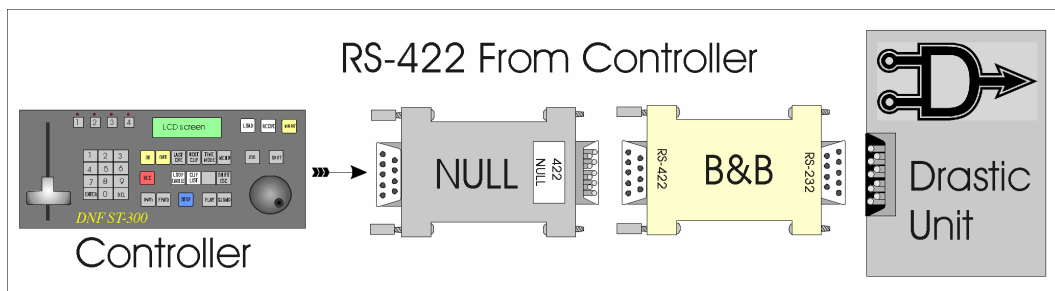


- Connect a **Drastic RS-232 to RS-422 adapter** to the serial control (out) port on the Drastic device. In the case of a VVW, the adapter may be internally installed.
- Connect a standard **Serial Control cable** from the Drastic adapter to the Slave/Remote port on the external VTR.
- **Connect the audio and video cables** from the outputs of the VTR to the inputs of the Drastic device. Turn on the VTR.
- Provide **genlock**, or an **external reference timing signal** to the Drastic device and the external VTR.

- Open **QuickClip**. To confirm external VTR control, do the following:
- Go to the main menus, under **File/New/External Pull In**. This will open a New External Pull In. Input a Reel identifier, or hit **Enter**.
- Confirm that you are set to the correct channel. You should now be able to see the time code of the external VTR in the transport control section of the External Pull In window, and the transport controls should operate the external VTR.
- Press **Play** to test external control. Close **QuickClip**.

#### LOCALCONFIG – SERIAL (CONTROLLER DEVICE) CONTROL

- Open **LocalConfig**. In the **Global** section of LocalConfig, select **Serial Control**.
- If there is no channel listed in the **Control** section, in the field next to the word **Channel**, press the **Add** button to add it. Use the pulldown menu to select **Ctl0**.
- Set **Ctl0** to the **COM** port used to connect the controller device using the pulldown menu to the right of the word **Port**. If there is more than one playback (output) channel in the system, select the channel (i.e. Int0, Int1, etc.) you wish to control.
- Using the pulldown menu next to the word **Type**, set the type of device protocol required by the controller. Close **LocalConfig**.
- Provide the controller with power, and a properly generated timing signal. **Turn on** the external controller.



- **Connect** the **2-adapter set** consisting of the NULL adapter and the B&B adapter to the serial control (COM) port on the Drastic device. In the case of a VVW, the adapter set may be internally installed.
- **Connect** the **Serial Control cable** from the controller to the adapter set (or COM port in the case of a hardwired VVW) in the rear of the Drastic device.
- Open **QuickClip**. To confirm serial (device) control, do the following:
- Select **CTL** time code from the Clip Control interface. Time code displayed in the QuickClip's time code window should now match the time code displayed in the controller window.
- With the Drastic device in VTR mode, enter a time code location into the controller and press **Play** to begin playback of media. In Server mode, press **Play** on the controller to begin playback of a loaded clip. Note that some controllers do not support clip-based media handling.

NOTE: if there is only one COM port present on the motherboard of your system, both serial and device control may share the same COM port, switching modes in software. The user may also need to switch between adapter sets to provide serial or device control.

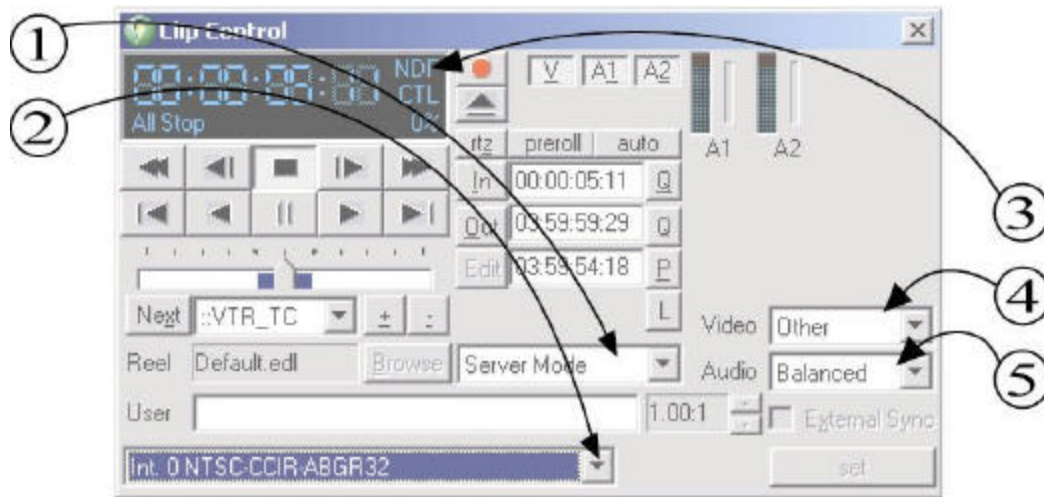
#### **VIDEO INPUT/OUTPUT CABLING**

- Connect the output of the **video source** device or devices (if present) to the video and audio input(s) of the Drastic device. Again, all devices dependent on timing accuracy will need to be provided with a properly generated timing signal.
- Connect the **video and audio output** of the Drastic device to a switcher, monitor, or other output target if used (VTR, satellite uplink, etc.).
- Confirm playback using an internal file.
- Check pass-through video to confirm signal input.

# Operations

## Video Capture

QuickClip has two modes of operation: '**Server Mode**' and '**VTR Mode**'. Server mode handles media as clips, and VTR Mode handles media within a 24-hour time code space.



### VIDEO CAPTURE IN SERVER MODE

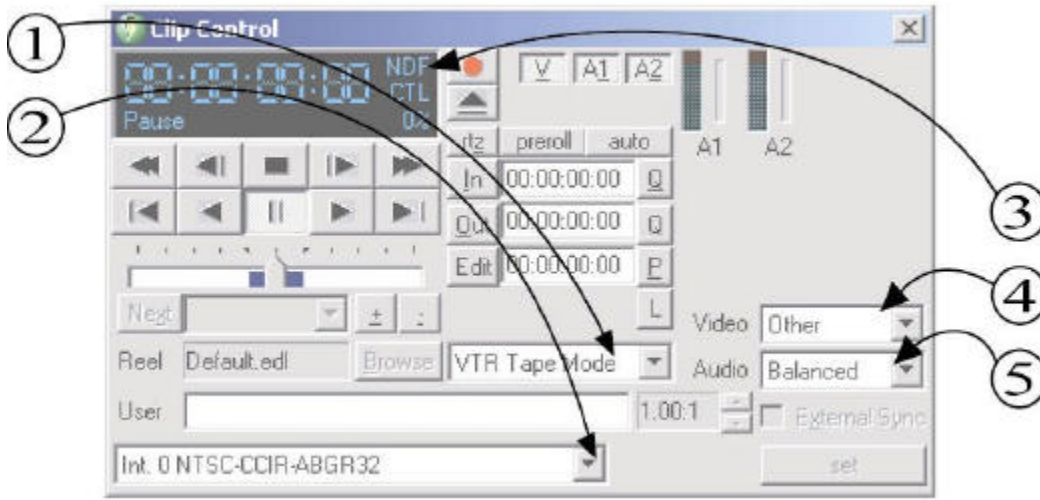
1. Select **Server Mode** in the Clip Control window if it is not already selected.
2. Select a **Channel**. For this QuickStart, select Int. 0.
3. Select the correct **Video Standard**. Clicking on the video standard (**DF**, **NDF**, etc.) cycles through the available video standards to allow the user to select the correct type.
4. Set the **Video format**. Use the pulldown menu to reveal the available video formats (**Composite**, **Component**, etc.) and select the video input type.
5. Set the **Audio** format. Use the pulldown menu to reveal the available audio formats (AES/EBU, embedded etc.) and select the audio type you are recording.
6. Confirm that your video source is active (a VTR in Play mode, or a camera sending a video signal for example). Press **Stop**. Pass-through video should be present. Adjust your video and audio monitors accordingly. If the clip bin for this internal channel is not open, open it using the main menus, under Channels/Internal/(Int0).
7. **Press the Record** button on the Clip Control interface. This opens a "**New Clip Settings**" dialogue box. **Assign a name** to the clip or keep the default name supplied by QuickClip.

The "**Max Length**" checkbox allows the user to set a clip length. Select this checkbox and input a clip length. If Max Length is not selected, recording will continue until you press **Stop**.

8. Press **Set Name**, then press **OK**. The recording will start.

Once the recording has stopped, you should see the clip appear in all of the Clip Bins. If the clip does not appear in the clip bin, press **Stop** to reset the clip list.

## VIDEO CAPTURE IN VTR MODE



1. Select **VTR Mode** in the Clip Control window if it is not already selected.
2. Select a **Channel**. For this QuickStart, select Int. 0.
3. Select a **Video Standard**. Clicking on the video standard (**DF**, **NDF**, etc.) cycles through the available video standards to allow the user to select the correct type. Not all video standards will be available on all models.
4. Set the **Video format**. Use the pulldown menu to reveal the available video formats (**Composite**, **Component**, etc.) and select the video type you are recording. Note that a channel may accept more than one video type.
5. Set the **Audio** format. Use the pulldown menu to reveal the available audio formats (AES/EBU, embedded etc.) and select the audio type you are recording. Note that a channel may accept more than one audio type.

Confirm that your video source is active (a VTR in Play mode, or a camera sending a video signal for example). Press **Stop**. Pass-through video should be present. Adjust your video and audio monitors accordingly. If the **VTR TC Mode Edit List** is not open, open it using the main menus, under Window/VTR TC Mode Edit List. **Select Int0** on the VTR TC Mode Edit List window.

rtz	preroll	auto
In	00:00:00:00	Q
Out	00:00:00:00	Q
Edit	00:00:00:00	P

6. **Select the In time code** from the Clip Control window (in the field to the right of the word **In**). Enter a new **In** time code using your keyboard.
7. **Select the Out time code**. This is displayed in the field to the right of the word **Out** on the Clip Control interface. Enter a new **Out** time code using your keyboard. The duration is automatically calculated and displays in the field below the “Out” time code box.

8. Press the **Edit** button to perform the recording as you have set it up. Press the **Record** button to begin recording at the current time code location and continue until you press stop (or run out of storage).

Once the recording has stopped, your video has been recorded (other terms for this include captured, encoded, digitized etc.) and is available for playback. To view a list of the material you have recorded in VTR mode, open the **VTR Mode TC Edit List**. This can be found in the main menus, under Window/VTR TC Mode Edit List.

## Video Playback

QuickClip has two modes of operation: '**Server Mode**' and '**VTR Mode**'. Server mode handles media as clips, and VTR Mode handles media within a 24-hour time code space.

In **Server mode**, captured media is stored as "clips", which can be played back individually or combined in a PlayList.

In **VTR mode**, the user can play digital media as a section of "time code space". Time Code Space appears as a 24-hour long virtual videotape striped with black. The user may start playback anywhere within the time code space, and end anywhere. The advantage of non-linear access means the user does not have to seek through this "tape", but can simply enter time code into the interface and play from that point.

Material recorded in either VTR mode or in Server mode can be added and/or accessed in the other mode. This is accomplished through the **Add Media Files** process.

### VIDEO PLAYBACK IN SERVER MODE

1. **Select Server Mode** from the dropdown menu on the **Clip Control** window.
2. **Select the internal playback channel** corresponding to the output you intend to use. In a single channel system, select Int0.
3. Confirm that the **Clip Bin** is open. If not, you can open it using the main menus, under **Channels/ Internal/ Int0**.
4. Confirm that **Auto Load** is checked in the Clip Bin, or selected.
5. **Select a clip** from the Clip Bin with your mouse. The first frame of this clip should be displayed in your monitor.
6. Press **Play** in the Clip Control window to play the clip on the selected channel.

To loop playback of a clip, press the **L** button on the Clip Control interface, then press play.

### VIDEO PLAYBACK IN VTR MODE

1. **Select VTR Tape Mode** from the dropdown menu on the **Clip Control** window.
2. **Select the internal playback channel** corresponding to the output you intend to use. In a single channel system, select Int0.

3. Press **play**. Your video will now play from the current time code location all the way through its 24-hour virtual time code space until stopped.
4. If you need to play from a specific location, enter this location into the **In** time code box in the Clip Control interface next to the In point.
  - Press the **Q** button.
  - Press **Play**.
5. If you need to play a specific piece of media from start to finish and pause on the last frame, here's how.
  - Enter the time code location of the first frame of video you want to play into the time code box in the Clip Control interface next to the **In** point.
  - Enter the time code location of the last frame of video you want to play into the time code box in the Clip Control window next to the **Out** point.
  - Press the "**P**" button (preview) to play this section of media.