

TECHNOTE – SeaChange VDCP Control Driver

INTRODUCTION

This document describes the connection and setup required for Fastrack to control the SeaChange Video Server with Louth VDCP protocol.

For additional information on Fastrack operations, consult the Fastrack Operations Manual. For additional information on SeaChance Server operations, consult the SeacChange Operations Manual.

- Fastrack software Version 4.1R02 or later required.
- This interface was tested with SeaChange software version 3.0.033. Proper operations cannot be guaranteed with earlier versions of software.

CONNECTION

For a new system, when cabling up the various components of SeaChange, be sure to connect BOTH Ethernet cables from the MCL and BML to the switch.

A special cable is required to connect the Fastrack I/O ports to the SeaChange ports.

FASTRACK SEACHANGE

(Rx -)	2	(Tx -)	7
(Rx+)	7	(Tx+)	2
(Tx+)	3	(Rx+)	4
(Tx -)	8	(Rx -)	8

SEACHANGE SETUP

1. Double click the **ExdUtil** icon on the SeaChange PC window and connect to either Service.



X Extensible	Disk Utility	
Connect	Services Configuration Playback	Record Inventory Archive Status
	SEAC	HANGE
	Node <u>Name:</u> EWBMLE1 EWBMLE1	Connect
	Active Node: Not Connected	<u>R</u> emove Name
EWMCL1	Not Connected 16:30:40 PC NTSC	DF

2. Select the MCL and the Configuration Tab and enable the **VDCP Automation** Protocol.

connect Services Cor	figuration	Playback Record Inventory	Archive Statu	s
É-EWMCL1		Name	Value	
ArchiveManager ArchiveManager	Πſ	Automation Enabled Automation is using a BML system as au	Yes	
Automation Protocols AVS		BML System	No	
🖭 - Sony		Local Machine Id Node has an Edit Archive (This will indi-	255 No	
E- Sony		Node has an Edit Archive (This will indic	No	

3. Select the VDCP **Communication Ports** that are to be used. (Ex: COM5, COM6, COM7) and enable **Serial Communication**.

onnect Services Configura	tion	Playback	Record	Inventory	Archive	Status
EWMCL1	•	Name			Value	
ArchiveManager Automation Protocols AVS Sony VDCP Archive Drives Communication Ports COM5 COM6 COM7		Serial Commu	nication En	ibled	Yes	

4. Select the VDCP Input Ports and Encoder Binding.

×Extensible Disk Utility - EWBMLE1						
Connect Services Configuration	Playback Record In	ventory Archive Status				
EWNCL1	Name	Value				
ArchiveManager Automation Protocols AVS Sony VDCP Archive Drives Communication Ports OLMM Ports TCP Ports Input Ports INPUT_PORT1 B- Output Ports	Encoder Binding	MC_SD_ENCODER1				

5. Select the VDCP **Output ports and Decoder Bindings**.

×Extensible Disk Utility - EWBMLE1						
Connect Services Configuration	Playback Record I	nventory Archive Status				
EWMCL1	Name	Value				
ArchiveManager Automation Protocols AVS Sony VDCP Archive Drives Communication Ports Output Ports Output Ports Output Ports OUTPUT_PORT2	Decoder Binding	MC_SD_DECODER1				

6. Select the MediaClientSDDecoderPorts and set the Heads Operating Mode to Mixed Mode.

If you can Play and Stop clips, but not shuttle them, then this item is probably set wrong.

onnect Services Configuration	Playback Record Inventory	Archive Status
EncoderPorts	Name	Value
GenesisHDPorts	Convert Multiple Jog Commands into Gr.	No
- LoggerSettings	Cue In Zero Based Index	No
	DeviceName	MC_SD_DECODER1
HediaClentSDDecoderPorts	Heads Operating Mode	Mixed Mode
	Number of frames in jog request before .	2
MC_SD_DECODERT	Output Device Cache Path	\\edit_n0_f0a\vstrm
MC_SD_DECODER2	Port Number	0
		Wedt of the

7. Finally, set the port for the MediaClientSDEncoderPorts.

onnect Services Configuratio	n Playback Record Inventory	Archive Status
E ComPorts	Name	Value
DecoderPorts EncoderPorts GenesisHDPorts LoggerSettings MediaClientHDDecoderPorts MediaClientSDDecoderPorts MC SD DECODER1	AutoArchive AutoArchive file before encoding is corr AutoArchiveIgnoreTimeDeleyFiles CurrentSettings DeviceName Input Device Cache Path Input VIX Device Cache Path Path Number	0 No Yes User4 MC_SD_ENCODER1 \\edit_n0_f0e\vstrm \\edit_n0_f0f\vstrm 2
MC_SD_DECODER2 MediaClientSDEncoderPorts Devices MC_SD_ENCODER1 Profiles	PreviewDeviceEnabled PreviewDeviceName	No

FASTRACK SETUP

8. On Fastrack, press [SHIFT][ASGN] and assign the ports using Class = VDCP_D and Device = Seachange.

For ports that are Decoders (Players), the Device Name must contain the digit corresponding to the VDCP port to be controlled. In the example below, **SChange1**.

For ports that are Encoders (Recorders), the Device Name must contain the digit corresponding to the VDCP port to be controlled preceded by a minus (-). In the example below, **SChange Rec-1**.

Track	0-	n Device Name	Class	Device Aut	A	Port	Deal	V-Switcher	
	Un				Auto		Pool	Video	Sta
1	x	SChange Rec-1	VDCP_D	SeaChange		P1	dd	1	
2	x	SChange1	VDCP_D	SeaChange		P2	dd	2	
3	x	SChange2	VDCP_D	SeaChange		P3	dd	3	
4	x	Deko	CHARGEN	Deko		none		5	

Note: If the SeaChange stops responding, first try rebooting the MCL.