

VE110 S6L v5.5: Contents

Introduction.....	xiii
About This Course.....	xiii
Prerequisites	xiii
Course Objectives	xiii
Conventions and Symbols Used in this Book.....	xiv
Menu and Key Commands	xiv
Symbols and Icons.....	xiv
Downloading the Media Files.....	xiv
The Avid Learning Partner Program.....	xv
Curriculum and Certification Levels	xv
Avid Certified. Real Skills, Proven.	xvi
How Can I Learn More?	xvi
LESSON 1: Introduction to the Avid VENUE S6L	1
Introduction to the Avid VENUE S6L System.....	2
S6L System Features	2
S6L System Processing	2
S6L System Recording and Playback Features.....	2
Control Surface Features	3
S6L Control Surface Connections	5
Back Panel Connections.....	5
Audio Network Connections.....	7
Copper	7
Fiber-Optic.....	7
S6L Network Connections	7
Pro Tools Connections.....	7
ECx Ethernet Control Connections	7
E6L Engine Overview	8
E6L Cards and Features	8
E6L Back Panel.....	8
E6L Engine Audio, Control, and Synchronization Connections	9
E6L Engine Features.....	10
Stage 64 I/O Rack Overview.....	11
Available Option Cards for the Stage 64	11
I/O Card Slots.....	11
Stage 64 I/O Rack Features.....	12
Stage 64Controller.....	13
Stage 16 Remote Stage Box Features	14

Powering the System Up and Down.....	15
Powering Down the System.....	17
Confirming System Components.....	17
Pairing the E6L and S6L.....	18
Please Select Engine.....	19
Enabling Config Mode.....	20
Connecting a Basic System.....	21
Supported Configurations.....	21
Example of Configuration 1.....	21
Example of Configuration 6 - Max Stage Rack Configuration	22
Assigning Stage 64 or Stage 16 I/O Racks	23
Naming System Components.....	25
Setting the System Clock.....	25
Configuring Mains and Mix Buses.....	26
Configuring the Mains Bus	26
Configuring Mix Buses.....	27
Review/Discussion Questions.....	28
Exercise 1: Setting Up the VENUE S6L	29
Getting Started.....	30
Connecting Hardware Components.....	30
Powering Up the System.....	30
Setting the Main and Mix Bus Configuration	31
Finishing Up.....	32
LESSON 2: External Software.....	33
Introduction to the VENUE S6L External Software S6L.....	34
VENUE S6L Standalone Software	34
VENUE S6L Standalone Software Lets You Do All of the Following.....	35
Differences Between Standalone Software and a VENUE S6L System.....	35
Overview of Software Pages.....	36
Overview.....	36
Inputs and Outputs Pages.....	36
Filing.....	37
Snapshots	37
Patchbay.....	38
Plug-Ins.....	38
Control	39
Options	39
Banner Display.....	40
Overview, Inputs, and Outputs Pages.....	40
Attentioning Channels from the External Screen.....	41
Adjusting Parameters on the External Screen.....	42

Patchbay.....	44
Accessing the Patchbay.....	44
Overview of the Patchbay.....	45
Visual Indicators and Displays.....	46
Patching Input Sources to Input Channels.....	47
Shortcut for Locating Assignments.....	48
Naming Channels from the Patchbay.....	48
Patching Output Channels to Hardware Outputs.....	49
Patching Direct Outputs.....	49
Direct Output Pickoff Points.....	50
Unpatching and Clearing Assignments.....	51
Warning When Stealing Inputs or Outputs in the Patchbay.....	51
Customizing Channel Layouts.....	52
Reordering Channels Using Drag and Drop.....	52
Inserting Blank Strips.....	52
Make Selected Mono Strips Stereo/Make Selected Stereo Strip Mono.....	54
Color-Coding Channels from the External Screen.....	55
Filing.....	56
Creating Shows.....	56
Show Files.....	56
Loading a Show.....	57
System Configurations and Loading Shows.....	58
Working with Presets.....	58
Preset Folders.....	58
Preset Files.....	59
Transferring Settings, Shows and Presets.....	59
Synchronizing Settings, Shows and Presets.....	60
Using History Show Folders and Files.....	61
Patch List Export.....	62
Contents of Exported Patchbay Information.....	62
Review/Discussion Questions.....	63
Exercise 2: Setting Up a Show File.....	65
Getting Started.....	66
Label your Inputs and Outputs and Assign Patchbay Routing.....	66
Reordering Your Channel Layout.....	68
Finishing Up.....	68

LESSON 3: Control Surface Overview	69
VENUE S6L Control Surface Overview	70
S6L Control Surface Top Panel Overview.....	71
Fader Banks.....	72
Channel Knob Modules (CKM).....	76
Channel Touch Module (CTM)	80
Channel View(CTM).....	82
Master Live Module (MLM).....	84
Global Modifiers.....	85
Assignable Encoder.....	89
Monitoring Section	89
Flex Channels.....	90
Banking a Combination of Inputs and Outputs.....	91
Navigating the Left Soft Keys Display in Split Banking Mode.....	91
Banking Inputs in Split Banking Mode.....	92
Banking Outputs in Split Banking Mode.....	93
Banking Only User Layouts, VCAs, Inputs, or Outputs	94
Banking Horizontally (Nudging Channels).....	95
Left Soft Keys.....	96
Right Soft Keys	96
CKM Control Switches.....	96
Transport/Function Switches.....	97
Master Touch Screen (MTS)	98
Universe View.....	98
Channel View (MTS).....	102
Meters and System Views on the (MTS)	103
System Commands on the MTS	104
Review/Discussion Questions.....	105
Exercise 3: Exploring the S6L Control Surface	107
Getting Started.....	108
Exploring Banking Controls from the MLM	108
Exploring Parameter Controls on the Control Surface.....	109
Color Coding Channels from the MTS.....	110
Finishing Up.....	110
LESSON 4: Channel Parameters and Controls	111
Introduction to the On-board Processing and Controls S6L System.....	112
Selecting and Attentioning Channels.....	112
Selecting Channels.....	112
Selecting a Channel Using the Select Switch.....	113
Selecting a Channel from a CTM	114
Select Follows Solo	115
Selecting/Attentioning Multiple Channels (Multi-Select).....	116
Multi-Selecting Using Attention.....	117

Configuring and Routing Channels	118
Assigning Channels to Outputs	118
Assigning Channels Using Multi-Assign	118
Assigning Channels to Mains, VCA's, and Mute Groups	119
Assigning Input Channels to Groups	120
Assigning Channels to Buses and VCAs on the External Screen	120
Managing Output Channel Assignments (Members)	121
Adjusting Input Parameters on the Control Surface	123
Using Input Channel Control Mode	124
Using Channel Strip Mode	124
Adjusting Input Gain	125
Adjusting Channel EQ on the External Screen	129
Adjusting Dynamics on the Control Surface	130
Adjusting Graphic EQ on the Control Surface (Output Channels Only)	134
Signal Routing Through On-Board Processing	137
Input Direct	137
Direct Outs	137
Saving Your Settings	138
Copying and Pasting Channel Settings	138
Parameters and Channel Types	139
Copying and Pasting Mono and Stereo Channel Settings	139
Settings Excluded from Copy and Paste	139
Copying and Pasting EQ Settings	140
Copying and Pasting Dynamics Settings	140
Input Channel, EQ, and Dynamics Presets	141
Presets for Built-In Channel EQs, Graphic EQs, and Dynamics	141
Input Channel Presets	142
Channel Compatibility and Input Channel Presets	143
Review/Discussion Questions	144
Exercise 4: Applying On Board-Processing	145
Getting Started	146
Using Multi-Select Functions	146
Assigning Channels to Mains, VCA's, and Groups	147
Exploring On-Board Processing	149
Finishing Up	149

LESSON 5: Introduction to AAX DSP Plug-Ins	151
Introduction to AAX DSP Plug-Ins VENUE S6L System.....	152
AAX Plug-In Background	152
S6L Engine Plug-in Capabilities.....	152
Using Config and Show Modes for Plug-Ins.....	152
Installing and Authorizing Plug-Ins.....	153
Installing Plug-Ins.....	153
Uninstalling Plug-Ins	154
Authorizing Plug-Ins.....	155
Enabling and Disabling Installed Plug-Ins.....	156
Plug-In Racks	156
Naming Plug-In Racks.....	157
Rack Views	157
“Jump To” Plug-Ins	159
Pinning a Plug-In View.....	160
Identifying Rack Slots.....	160
Display of Unavailable or Inactive Plug-Ins	161
Scope Indication in the Plug-Ins Page.....	161
Rack Slots.....	162
Rack SlotControls	162
Assigning Plug-Ins	163
Assigning Plug-Ins to Rack Slots	163
Plug-In Formats (Mono/Stereo).....	164
Moving and Copying Plug-Ins (Config Mode Only).....	165
Powering Off Plug-In Racks	165
Bypassing Plug-Ins	166
Routing Plug-Ins.....	166
Inserting Plug-Ins on Channels.....	166
Routing Plug-Ins as Bus Processors (Effect Send/Return).....	168
Adjusting Plug-ins on the Control Surface.....	170
Adjusting Inserted Plug-ins	170
Adjusting Bus-Fed Plug-Ins (Effect Returns).....	171
Plug-In Presets.....	172
Plug-Ins and Presets.....	172
Review/Discussion Questions.....	174
Exercise 5: Using AAX DSP Plug-Ins	175
Getting Started.....	176
Assigning Plug-Ins to Rack Slots.....	176
Routing Plug-Ins to Channels	177
Hearing the Effect of Your Plug-Ins.....	177
Assigning Plug-in as Inserts to Inputs.....	178
Using Plug-In Presets	179

Finishing Up.....	179
LESSON 6: Introduction to VENUE S6L with Pro Tools.....	181
Introduction to Avid VENUE S6L with Pro Tools	182
Pro Tools Compatibility.....	182
Important Requirements and Optimizations for a Mac with Pro Tools AVB	182
Pro Tools Recording and Playback Capabilities and Features	183
S6L and Pro Tools Overview	184
Recording Outputs.....	184
Connecting to Pro Tools	185
Enabling 128 Channel AVB	186
Configuring Pro Tools	187
Enabling VENUE Link	188
Using VENUE Link.....	190
Controlling Pro Tools from the S6L Control Surface.....	192
Recording in Pro Tools.....	193
Setting Output Levels to Pro Tools for Recording	193
Signal Levels in the VENUE S6L and Pro Tools.....	193
VENUE S6L Metering Options in Pro Tools.....	194
Using Virtual Soundcheck	194
Enabling Virtual Soundcheck Mode.....	194
Returning to Stage Inputs.....	195
Toggling the Input Source of a Channel	196
Review/Discussion Questions.....	198
Exercise 6: Using Pro Tools with VENUE S6L.....	199
Getting Started	200
Creating a Session from VENUE S6L in Pro Tools	200
Recording in Pro Tools.....	201
Finishing Up.....	201