

Concept and Project Management	Michael Haydn
Development	Michael Haydn
User Manual	Michael Haydn
Special thanks to	Mackie Design

Logic, Logic Audio and Emagic are registered trademarks of Emagic, Inc. "MACKIE.", the "Running Man" figure and HUI are trademarks or registered trademarks of Mackie Designs, Inc.

This manual also contains trademarks or registered trademarks of other companies, that belong to those respective companies, and are hereby acknowledged.



1	Introduction	9
	What it does	9
2	Setup	10
	Requirements	10
	Set up: common steps	10
	Set up: HUI	10
	Set up: Baby HUI	10
	Set up: DM2000	11
	Set up: DM1000	11
	Set up: 02R96	12
	Set up: 01V96	13
	Set up: other HUI compatible devices	13
3	Assignment overview – HUI	15
	ASSIGN section	15
	Fader bank buttons	16
	WINDOW section	16
	KEYBOARD SHORTCUTS section	17
	Channel strips	17
	DSP EDIT/ASSIGN section	18
	Function keys	19
	AUTO ENABLE section	20
	AUTO MODE section	20
	STATUS/GROUP section	21
	EDIT section	22
	Time display	22
	LOCATE/NUMBERS section	22
	Transport section	23
	Cursor buttons	24
	Jog wheel	25
	Foot switches	25
4	Assignment overview – Baby HUI	26
	Channel strips	26
	Encoder Assignment Section	26
	Automation Section	27
	Display Section	27

Utility Section	27
Navigation section	27
Transport section	28
5 Assignment overview – DM2000	29
MATRIX SELECT section	29
AUX SELECT section	29
ENCODER MODE section	30
FADER MODE section	30
DISPLAY ACCESS section	31
EFFECTS/PLUG-INS section	31
LCD	32
TRACK ARMING section	33
AUTOMIX section	33
USER DEFINED KEYS section	34
LOCATOR section	36
Channel strips	37
Transport/cursor section	37
6 Assignment overview – DM1000	40
DISPLAY ACCESS section	40
AUX SELECT section	40
ENCODER MODE section	41
FADER MODE section	41
LCD Function	42
LCD	42
Data Entry section	43
Channel strips	44
Stereo Channel strip	44
USER DEFINED KEYS section	45
7 Assignment overview – 02R96	49
DISPLAY ACCESS section	49
AUX SELECT section	49
ENCODER MODE section	50
FADER MODE section	50
EFFECTS/PLUG-INS section	50
LCD	51
USER DEFINED KEYS section	52

Channel strips	53
MACHINE CONTROL section	53
Data entry section	54
8 Assignment overview – 01V96	55
DISPLAY ACCESS section	55
FADER MODE section	55
LCD Function	56
LCD	56
Selected Channel	59
Data Entry section	59
Channel strips	59
Stereo Channel strip	60
USER DEFINED KEYS section	60
Index	65

1 Introduction

What it does

The HUI control surface plug-in supports Mackie HUI and all hardware which fully or partially emulates it, e.g. Mackie Baby HUI, Yamaha DM2000, DM1000, 02R96 and 01V96.

2 Setup

Requirements

To use the HUI control surface plug-in, you need

- a HUI or compatible product
- Logic Platinum 6.0 or newer

Set up: common steps

- Make sure that an XSKKey with a Logic Platinum 6 authorization.
- Make sure that your HUI unit(s) are connected bidirectionally with the computer, either using a MIDI interface or the USB connector built-in to the unit (DM2000, 02R96).
- If the unit(s) are connected via USB, make sure that the MIDI driver which comes with the unit is installed. On Mac OS 9, you will have to enable OMS in Logic and make sure that your OMS Studio includes the ports you have connected your unit(s) to. If not, choose **Studio > Add Devices per Port...** in OMS Setup.
- Choose menu item **Options > Control Surfaces > Install...**

Set up: HUI

- For every HUI unit, select **HUI** in the Install window, choose **Add**, then set the appropriate MIDI In and Out ports in the Setup window.

Set up: Baby HUI

- For every Baby HUI unit, select **HUI** in the Install window, choose **Add**, then set the appropriate MIDI In and Out ports in the Setup window.

Set up: DM2000

At DM2000 front panel

Basically you set up the DM2000 as if you are using it with Pro Tools. See the DM2000 user manual, section 19. Here are the necessary steps:

- Press **DISPLAY ACCESS [SETUP]**, then **[F4]** (below the LCD). Now move the cursor to the port parameters right to **DAW**, select **USB** and right to it **1-3**.
- Press **DISPLAY ACCESS [REMOTE]**, then **[F1]** (below the LCD). For the **TARGET** parameter, choose **ProTools**.
- Press **LAYER [REMOTE 1]**

In Logic

- Select **DM2000 Port 1** in the Install window, choose **Add**, then choose “Port 1” of the DM2000’s USB MIDI driver for the MIDI In and Out ports in the Setup window.
- Select **DM2000 Port 2/3** in the Install window, choose **Add**, then choose **Port 2** of the DM2000’s USB MIDI driver for the MIDI In and Out ports in the Setup window.
- Select **DM2000 Port 2/3** in the Install window, choose **Add**, then choose **Port 3** of the DM2000’s USB MIDI driver for the MIDI In and Out ports in the Setup window.

You should now see three DM2000 icons in the setup window, aligned horizontally.

Set up: DM1000

At DM1000 front panel

While this document was created, we didn’t have access to DM1000 user documentation, but setting it up for Logic should be similar to the DM2000 setup – see above.

In Logic

- Select **DM1000 Port 1** in the Install window, choose **Add**, then choose “Port 1” of the DM1000’s USB MIDI driver for the MIDI In and Out ports in the Setup window.
- Select **DM1000 Port 2** in the Install window, choose **Add**, then choose **Port 2** of the DM1000’s USB MIDI driver for the MIDI In and Out ports in the Setup window.

You should now see two DM1000 icons in the setup window, aligned horizontally.

Set up: 02R96

At 02R96 front panel

Basically you set up the 02R96 as if you are using it with Pro Tools. See the 02R96 user manual, section 19. Here are the necessary steps:

- Press **DISPLAY ACCESS [SETUP]**, then **[F4]** (below the LCD). Now move the cursor to the port parameters right to **DAW**, select **USB** and right to it **1-3**.
- Press **DISPLAY ACCESS [REMOTE]**. For the **TARGET** parameter, choose **ProTools**.
- Press **LAYER [REMOTE]**

In Logic

- Select **02R96 Port 1** in the Install window, choose **Add**, then choose **Port 1** of the 02R96’s USB MIDI driver for the MIDI In and Out ports in the Setup window.
- Select **02R96 Port 2/3** in the Install window, choose **Add**, then choose **Port 2** of the 02R96’s USB MIDI driver for the MIDI In and Out ports in the Setup window.
- Select **02R96 Port 2/3** in the Install window, choose **Add**, then choose **Port 3** of the 02R96’s USB MIDI driver for the MIDI In and Out ports in the Setup window.

You should now see three 02R96 icons in the setup window, aligned horizontally.

Set up: 01V96

At 01V96 front panel

Basically you set up the 01V96 as if you are using it with Pro Tools. See the 01V96 user manual, section 19. Here are the necessary steps:

- Press **DISPLAY ACCESS [SETUP]**, then **[F4]** (below the LCD). Now move the cursor to the port parameters right to **DAW**, select **USB** and right to it **1-3**.
- Press **DISPLAY ACCESS [REMOTE]**. For the **TARGET** parameter, choose **ProTools**.
- Press **LAYER [REMOTE]**

In Logic

- Select **01V96 Port 1** in the Install window, choose **Add**, then choose **Port 1** of the 01V96's USB MIDI driver for the MIDI In and Out ports in the Setup window.
- Select **01V96 Port 2** in the Install window, choose **Add**, then choose **Port 2** of the 01V96's USB MIDI driver for the MIDI In and Out ports in the Setup window.

You should now see two 01V96 icons in the setup window, aligned horizontally.

Set up: other HUI compatible devices

If the unit emulates one HUI unit, proceed as if you have a HUI.

- ❗ If you experience problems in the DSP Edit display, instead install the unit as a DM2000.

If the unit emulates more than one HUI, add an according number of additional devices in the setup, similarly as for the Yamaha digital mixers. If the unit supports only one HUI DSP edit section, choose **HUI Channel Strips only** as the model name for the additional units. This ensures that scrolling in the DSP edit section scrolls by four parameters.

For the the assignment of the buttons, refer to section *Assignment overview – HUI* chapter, from page 15 and the device's user manual.

3 Assignment overview – HUI

A right-aligned modifier button below a button description means: while holding down this modifier, the button has this alternate meaning.

ASSIGN section

Control	Assignment
SEND A	assigns Send 1 Level to V-Pots, and Send 1..4 Levels to DSP V-Pots. While held down, the scribble strips show the current Send 1 destination assignment
SHIFT/ADD	as above, but Send 6
SEND B	assigns Send 2 Level to V-Pots, and Send 1..4 Levels to DSP V-Pots. While held down, the scribble strips show the current Send 2 destination assignment
SHIFT/ADD	as above, but Send 7
SEND C	assigns Send 3 Level to V-Pots, and Send 1..4 Levels to DSP V-Pots. While held down, the scribble strips show the current Send 3 destination assignment
SHIFT/ADD	as above, but Send 8
SEND D	assigns Send 4 Level to V-Pots, and Send 1..4 Levels to DSP V-Pots. While held down, the scribble strips show the current Send 4 destination assignment
SEND E	assigns Send 5 Level to V-Pots, and Send 5..8 Levels to DSP V-Pots. While held down, the scribble strips show the current Send 5 destination assignment
PAN	assigns Pan to V-Pots; assigns selected track's pan/surround parameters to DSP V-Pots
INPUT	assigns Track Input to V-Pots. While held down, the scribble strips show the current Track Input assignment
OUTPUT	assigns Track Output to V-Pots. While held down, the scribble strips show the current Track Output assignment
REC/RDY ALL	Disable Record Ready on all tracks
BYPASS	toggles the INSERT buttons between Insert Select and Insert Bypass mode

Control	Assignment
MUTE	toggles the V-Select buttons between Send Position and Send Mute mode
SHIFT	toggles Flip mode
SELECT-ASSIGN	displays the V-Pot assignment as follows: Pan, Snd1 .. Snd8, S1As .. S8As, In, Out
SUSPEND	-
DEFAULT	toggles V-Select buttons between normal behavior and setting default value
ASSIGN	When V-Pots display a Send level, switches them to Send Destination assignment mode. Press V-Select or ASSIGN again to confirm the assignment.

Fader bank buttons

Control	Assignment
Bank Left	shifts channel strips by one bank to the left
Bank Right	shifts channel strips by one bank to the right
Channel Left	shifts channel strips by one channel to the left
Channel Right	shifts channel strips by one channel to the right

WINDOW section

Control	Assignment
TRANSPORT	toggles the Transport window
EDIT	toggles the Arrange window
MIX	toggles the Track Mixer window
ALT	toggles the Sample Editor window
STATUS	toggles the Audio Pool window
MEM-LOC	toggles the Marker List window

KEYBOARD SHORTCUTS section

Control	Assignment
UNDO	performs undo
SHIFT/ADD	performs redo
OPTION/ALL	opens undo history window
SAVE	saves the song
OPTION/ALL	Save As...: saves the song with a different name
EDIT MODE	-
EDIT TOOL	selects the next tool. While held down, digit buttons select a specific tool
SHIFT/ADD	Shifts to second meaning of some buttons See also description of other buttons
OPTION/ALL	While held down, value change mode is set to „full“: relative value changes to go minimum or maximum See also description of other buttons
CTRL/CLUTCH	While held down, the Group Clutch is engaged, i.e. all groups are disabled
CMD/ALT/FINE	While held down, value change mode is set to „fine“: relative value changes work with maximum resolution See also description of other buttons

Channel strips

Control	Assignment
Level Meters	display momentary and peak level
REC/RDY	toggles Record Ready
OPTION/ALL	disables Record Ready for all tracks
INSERT	BYPASS off: selects track for plug-in selection BYPASS on: toggles bypass of currently selected insert slot
V-SEL	Pan selected: sets Pan to center if DEFAULT on Send 1..8 selected: edits Send Pre/Post, toggles Send Mute or sets Send Level to default value Send Assign, Input or Output: confirms selection
V-Pot	adjusts parameter selected in the ASSIGN section

Control	Assignment
AUTO	cycles automation mode. With an automation mode button held down, sets this automation mode
SOLO	toggles Solo
OPTION/ALL	disables Solo for all tracks
MUTE	toggles Mute
OPTION/ALL	unmutes all tracks
Scribble Strip	displays track name, or Send, In or Out assignment
SELECT	selects track
SHIFT/ADD	Sets volume to unity level
DEFAULT	Sets volume to unity level
Fader	adjusts volume, or duplicates V-Pot in Flip mode

DSP EDIT/ASSIGN section

Control	Assignment
ASSIGN	-
COMPARE	toggles DSP display between modes „ track name / parameter name“ and „ parameter name / parameter value“
BYPASS	toggles bypass of currently edited plug-in insert
DSP Select 1-4	<p>Assignment Pan:</p> <ul style="list-style-type: none"> • DSP Select 1 sets Pan or Surround Angle to center • DSP Select 2 sets Surround Diversity to center • DSP Select 3 sets Surround LFE to center • DSP Select 4 sets Surround Mode to center <p>Assignment Send:</p> <ul style="list-style-type: none"> • toggle Send 1..4 or 5..8 Mute <p>Plug-In Assign:</p> <ul style="list-style-type: none"> • confirm insert 1..4 or 5..8 plug-in selection, selects this insert and enters Plug-In Edit mode <p>Plug-In Edit:</p> <ul style="list-style-type: none"> • sets value to default, or toggles switch

Control	Assignment
DSP V-Pots	Assignment Pan: <ul style="list-style-type: none"> • DSP V-Pot 1 controls Pan or Surround Angle • DSP V-Pot 2 controls Surround Diversity • DSP V-Pot 3 controls Surround LFE • DSP V-Pot 4 controls Surround Mode Assignment Send: <ul style="list-style-type: none"> • control Send 1..4 or 5..8 Level Plug-In Assign: <ul style="list-style-type: none"> • assigns insert 1..4 or 5..8 plug-in Plug-In Edit: <ul style="list-style-type: none"> • sets value to default
INSERT/ PARAM	toggles between Plug-in Assign and Plug-in Edit modes
SCROLL	Plug-In Edit: shifts parameter display by the number of DSP V-Pots in the control surface group (usually four)
CMD/ALT/FINE	Plug-In Edit: shifts parameter display by one

Function keys

Control	Assignment
F1	Clears Overload LEDs
SHIFT/ADD	Switches to Global View and enables MIDI Tracks
CMD/ALT/FINE	Toggles Arrange window
F2	Recalls Screen Set 2
SHIFT/ADD	Switches to Global View and enables Inputs
CMD/ALT/FINE	Toggles Track Mixer window
F3	Recalls Screen Set 3
SHIFT/ADD	Switches to Global View and enables Audio Tracks
CMD/ALT/FINE	Toggles Event Editor window
F4	Recalls Screen Set 4
SHIFT/ADD	Switches to Global View and enables Audio Instruments
CMD/ALT/FINE	Toggles Score Editor window
F5	Recalls Screen Set 5

Control	Assignment
SHIFT/ADD	Switches to Global View and enables Aux Tracks
CMD/ALT/FINE	Toggles Hyper Editor window
F6	Recalls Screen Set 6
SHIFT/ADD	Switches to Global View and enables Busses
CMD/ALT/FINE	Toggles Matrix Editor window
F7	Toggles counter display between SMPTE and bars/beats/format/ticks
SHIFT/ADD	Switches to Global View and enables Outputs and Master object
CMD/ALT/FINE	Toggles Transport window
F8/ESC	Default: leaves folder Goto Marker: cancels dialog
CMD/ALT/FINE	Toggles Audio window

AUTO ENABLE section

Control	Assignment
FADER	toggles automation playback and recording of Volume
PAN	toggles automation playback and recording of Pan
PLUG IN	toggles automation playback and recording of Plug-in parameters
MUTE	toggles automation playback and recording of Mute
SEND	toggles automation playback and recording of Send Level
SEND MUTE	-

AUTO MODE section

Control	Assignment
READ	sets selected track to automation mode " Read" . While held down, channel Strip AUTO buttons set automation mode to Read
OPTION/ALL	sets all tracks to automation mode " Read"

Control	Assignment
LATCH	sets selected track to automation mode " Latch" . While held down, channel Strip AUTO buttons set automation mode to " Latch"
OPTION/ALL	sets all tracks to automation mode " Latch"
TRIM	-
TOUCH	sets selected track to automation mode " Touch" . While held down, channel Strip AUTO buttons set automation mode to " Touch"
OPTION/ALL	sets all tracks to automation mode " Touch"
WRITE	sets selected track to automation mode " Write" . While held down, channel Strip AUTO buttons set automation mode to " Write"
OPTION/ALL	sets all tracks to automation mode " Write"
OFF	sets selected track to automation mode " Off" . While held down, channel Strip AUTO buttons set automation mode to " Off"
OPTION/ALL	sets all tracks to automation mode " Off"

STATUS/GROUP section

Control	Assignment
AUTO	while held down, the Scribble Strips display the tracks' automation mode
MONITOR	-
PHASE	-
GROUP	enters Group Edit mode: <ul style="list-style-type: none"> • the upper line in the DSP edit section displays the currently edited group number and name • DSP Select buttons 1..4 toggle properties of the currently edited group, labelled in the lower line • When INSERT/PARAM is off, DSP Edit Scroll V-Pot scrolls through the group properties. Otherwise it selects the currently edited group • the SELECT buttons toggle group membership of the track
SHIFT/ADD	switches to Track View

Control	Assignment
CREATE	creates a new group and enters Group Edit mode (see above)
SHIFT/ADD	switches to Global View
SUSPEND	toggles the Group Clutch
SHIFT/ADD	switches to Extended Track View

EDIT section




Control	Assignment
CAPTURE	-
SEPARATE	-
CUT	Cuts the selection
COPY	Copies the selection
PASTE	Pastes the clipboard contents
DELETE	Deletes the selection

Time display

Control	Assignment
TIME CODE	checked if counter displays time code
FEET	(not assigned)
BEATS	checked if counter displays bars/beats/format/ticks
Time display	displays time code or bars/beats/format/ticks
RUDE SOLO LIGHT	flashes if any track is soloed

LOCATE/NUMBERS section

Control	Assignment
CLR	Deletes current marker
=	Creates a marker at the current song position
/	equivalent to computer keyboard <input type="checkbox"/> key
*	equivalent to computer keyboard <input type="checkbox"/> key




Control	Assignment
-	equivalent to computer keyboard  key
+	equivalent to computer keyboard  key
0..9	Normal: 1..9 recalls marker 1..9 Goto Marker: equivalent to computer keyboard  ..  key
SHIFT/ADD	Switches to Global View and enables 1: MIDI Tracks 2: Inputs 3: Audio Tracks 4: Audio Instruments 5: Aux Tracks 6: Busses 7: Outputs and Master object 9: 0:
EDIT TOOL	selects tool: 1: arrow 2: pencil 3: rubber 4: text edit 5: scissors 6: glue 7: solo 8: mute 9: zoom
0	Goto Marker: equivalent to computer keyboard  key
.	Normal: enters Goto Marker Mode Goto Marker: confirms entered marker number
ENTER	Normal: enters folder of selected track Goto Marker: confirms entered marker number


Transport section

Control	Assignment
AUDITION	-
PRE	Sets left locator
IN	Sets Drop In locator

Control	Assignment
OUT	Sets Drop Out locator
POST	Sets right locator
RTZ	goes to the left locator
END	goes to the right locator
ON LINE	toggles internal/external Sync
LOOP	toggles Cycle mode
QUICK PUNCH	toggles Drop mode
REWIND	Shuttles backward
FAST FWD	Shuttles forward
STOP	Stop
PLAY	Play
SHIFT/ADD	Pause
RECORD	Record

Cursor buttons

Control	Assignment
Cursor Up	Cursor mode: equivalent to computer keyboard  key Zoom mode: zooms out vertically
SHIFT/ADD	Zoom mode: Individual track zoom in
CMD/ALT/FINE	Page Up
OPTION/ALL + CMD/ALT/FINE	Scroll to top
Cursor Down	Cursor mode: equivalent to computer keyboard  key Zoom mode: zooms out vertically
SHIFT/ADD	Zoom mode: Individual track zoom out
CMD/ALT/FINE	Page Down
OPTION/ALL + CMD/ALT/FINE	Scroll to bottom
Cursor Left	Cursor mode: equivalent to computer keyboard  key Zoom mode: zooms out horizontally

Control	Assignment
SHIFT/ADD	Zoom mode: Individual track zoom reset of tracks with same type
CMD/ALT/FINE	Page Left
OPTION/ALL + CMD/ALT/FINE	Scroll to left border
Cursor Right	Cursor mode: equivalent to computer keyboard  key Zoom mode: zooms in horizontally
SHIFT/ADD	Zoom mode: Individual track zoom reset of all tracks
CMD/ALT/FINE	Page Right
OPTION/ALL + CMD/ALT/FINE	Scroll to right border
MODE	Toggles between Cursor and Zoom mode

Jog wheel

Control	Assignment
Jog wheel	Default: move SPL by one bar Scrub: scrubbing Shuttle: Shuttle mode
SCRUB	toggles Scrub mode
SHUTTLE	toggles Shuttle mode

Foot switches

Control	Assignment
Foot Switch 1	Play or Stop
Foot Switch 2	Record Toggle

4 Assignment overview – Baby HUI

A right-aligned **SHIFT** below a button description means: while holding down **SHIFT**, the button has this alternate meaning.

Channel strips

Control	Assignment
Rotary encoder	adjusts parameter selected in the Encoder Assignment Section
Rotary encoder push button	selects track
	SHIFT toggles Record Ready
Signal indicator	illuminates when a signal is present in the channel. It also indicates when the channel is selected
MUTE	toggles Mute
SOLO	toggles Solo
Fader	adjusts volume

Encoder Assignment Section

Control	Assignment
PAN	assigns Pan to Rotary encoders
SEND 1	assigns Send 1 Level to Rotary encoders
SEND 2	assigns Send 2 Level to Rotary encoders
SEND 3	assigns Send 3 Level to Rotary encoders
SEND 4	assigns Send 4 Level to Rotary encoders

Automation Section

Control	Assignment
BYPASS/OFF	sets selected track to automation mode " Off" .
SHIFT	toggles automation playback and recording of Volume
READ	sets selected track to automation mode " Read" .
SHIFT	toggles automation playback and recording of Mute
WRITE	sets selected track to automation mode " Write" .
SHIFT	toggles automation playback and recording of Pan
TOUCH	sets selected track to automation mode " Touch" .
SHIFT	toggles automation playback and recording of Send Level

Display Section

Control	Assignment
TRANSPORT	toggles the Transport window
MEM-LOC	toggles the Marker List window
MIXER	toggles the Track Mixer window
EDIT	toggles the Arrange window

Utility Section

Control	Assignment
UNDO	performs undo
SHIFT	Shifts to second meaning of some buttons (labelled below them in a box)

Navigation section

Control	Assignment
RTZ	goes to the left locator
SHIFT	Sets Drop In locator
END	goes to the right locator
SHIFT	Sets Drop Out locator

Control	Assignment
BANK SELECT Left	shifts channel strips by one bank to the left
SHIFT	shifts channel strips by one channel to the left
BANK SELECT Right	shifts channel strips by one bank to the right
SHIFT	shifts channel strips by one channel to the right

Transport section

Control	Assignment
REWIND	Shuttles backward
FAST FWD	Shuttles forward
STOP	Stop
PLAY	Play
RECORD	Record

5 Assignment overview – DM2000

A right-aligned modifier button below a button description means: while holding down this modifier, the button has this alternate meaning.

MATRIX SELECT section

Control	Assignment
MATRIX 1	toggles Encoder Push-Switch buttons between normal behavior and setting default value
MATRIX 2	toggles the Encoder Push-Switch buttons between Send Position and Send Mute mode
MATRIX 4	If ENCODER MODE [ASSIGN 4] is on, toggles the channel strip SEL buttons between Insert Select (indicator off) and Insert Bypass mode (indicator on)

AUX SELECT section

Control	Assignment
AUX 1	assigns Send 1 Level to Encoders, and Send 1..4 Levels to DSP Encoders. While held down, the Channel Strip displays show the current Send 1 destination assignment
USER 4	as above, but Send 6
AUX 2	assigns Send 2 Level to Encoders, and Send 1..4 Levels to DSP Encoders. While held down, the Channel Strip displays show the current Send 2 destination assignment
USER 4	as above, but Send 7
AUX 3	assigns Send 3 Level to Encoders, and Send 1..4 Levels to DSP Encoders. While held down, the Channel Strip displays show the current Send 3 destination assignment
USER 4	as above, but Send 8

Control	Assignment
AUX 4	assigns Send 4 Level to Encoders, and Send 1..4 Levels to DSP Encoders. While held down, the Channel Strip displays show the current Send 4 destination assignment
AUX 5	assigns Send 5 Level to Encoders, and Send 5..8 Levels to DSP Encoders. While held down, the Channel Strip displays show the current Send 5 destination assignment

ENCODER MODE section

Control	Assignment
PAN	assigns Pan to Encoders; assigns selected track's pan/surround parameters to DSP Encoders
AUX/MTRX	assigns Send 1 Level to Encoders, and Send 1..4 Levels to DSP Encoders. While held down, the Channel Strip displays show the current Send 1 destination assignment
ASSIGN 1	assigns Track Input to Encoders. While held down, the Channel Strip displays show the current Track Input assignment
ASSIGN 2	assigns Track Output to Encoders. While held down, the Channel Strip displays show the current Track Output assignment
ASSIGN 3	When Encoders display a Send level, switches them to Send Destination assignment mode. Press Encoder Push-Switch or ASSIGN 3 again to confirm the assignment.
ASSIGN 4	determines mode of channel strip SEL buttons: <ul style="list-style-type: none"> • indicator off: track selection • indicator on: Insert selection or Insert Bypass, depending on MATRIX SELECT [MATRIX 4].

FADER MODE section

Control	Assignment
FADER	toggles Flip mode
AUX/MTRX	toggles Flip mode

DISPLAY ACCESS section

Control	Assignment
METER	Clears Overload LEDs
	USER 4 Switches to Global View and enables MIDI Tracks
	USER 13 Toggles Arrange window

EFFECTS/PLUG-INS section

Control	Assignment
Display	toggles the Sample Editor window
5	-
6	toggles DSP display between modes „ track name / parameter name“ and „ parameter name / parameter value“
7	toggles bypass of currently edited plug-in insert
8	toggles between Plug-in Assign and Plug-in Edit modes
Parameter Up & Parameter Down	Plug-In Edit: shifts parameter display by the number of Parameter controls in the control surface group (usually four)
	USER 13 Plug-In Edit: shifts parameter display by one

Control	Assignment
Parameter control 1-4 push-switch	<p>Assignment Pan:</p> <ul style="list-style-type: none"> • Parameter control 1 push-switch sets Pan or Surround Angle to center • Parameter control 2 push-switch sets Surround Diversity to center • Parameter control 3 push-switch sets Surround LFE to center • Parameter control 4 push-switch sets Surround Mode to center <p>Assignment Send:</p> <ul style="list-style-type: none"> • toggle Send 1..4 or 5..8 Mute <p>Plug-In Assign:</p> <ul style="list-style-type: none"> • confirm insert 1..4 or 5..8 plug-in selection, selects this insert and enters Plug-In Edit mode <p>Plug-In Edit:</p> <ul style="list-style-type: none"> • sets value to default, or toggles switch
Parameter controls	<p>Assignment Pan:</p> <ul style="list-style-type: none"> • Parameter control 1 controls Pan or Surround Angle • Parameter control 2 controls Surround Diversity • Parameter control 3 controls Surround LFE • Parameter control 4 controls Surround Mode <p>Assignment Send:</p> <ul style="list-style-type: none"> • control Send 1..4 or 5..8 Level <p>Plug-In Assign:</p> <ul style="list-style-type: none"> • assigns insert 1..4 or 5..8 plug-in <p>Plug-In Edit:</p> <ul style="list-style-type: none"> • sets value to default

LCD

Display	Assignment
LCD	displays parameter details, plug-in selection or plug-in parameters
TIME CODE	checked if counter displays time code
FEET	(not assigned)
BEATS	checked if counter displays bars/beats/format/ticks

Display	Assignment
Time display	displays time code or bars/beats/format/ticks
SELECT ASSIGN	displays the Encoder assignment as follows: Pan, Snd1 .. Snd8, S1As .. S8As, In, Out

TRACK ARMING section

Control	Assignment
1 .. 24	toggles Record Ready
USER 5	disables Record Ready for all tracks
MASTER	Disable Record Ready on all tracks

AUTOMIX section

Control	Assignment
DISPLAY	while held down, the Channel Strip displays display the tracks' automation mode
REC	sets selected track to automation mode " Write" . While held down, channel Strip AUTO buttons set automation mode to " Write"
USER 5	sets all tracks to automation mode " Write"
ABORT/UNDO	sets selected track to automation mode " Touch" . While held down, channel Strip AUTO buttons set automation mode to " Touch"
USER 5	sets all tracks to automation mode " Touch"
AUTOREC	sets selected track to automation mode " Latch" . While held down, channel Strip AUTO buttons set automation mode to " Latch"
USER 5	sets all tracks to automation mode " Latch"
RETURN	sets selected track to automation mode " Read" . While held down, channel Strip AUTO buttons set automation mode to Read
USER 5	sets all tracks to automation mode " Read"
RELATIVE	-

Control	Assignment
TOUCH SENSE	sets selected track to automation mode " Off" . While held down, channel Strip AUTO buttons set automation mode to " Off"
USER 5	sets all tracks to automation mode " Off"
OVERWRITE [FADER]	toggles automation playback and recording of Volume
OVERWRITE [PAN]	toggles automation playback and recording of Pan
OVERWRITE [EQ]	toggles automation playback and recording of Plug-in parameters
OVERWRITE [ON]	toggles automation playback and recording of Mute
OVERWRITE [AUX]	toggles automation playback and recording of Send Level
OVERWRITE [AUX ON]	-

USER DEFINED KEYS section

Control	Assignment
DISPLAY	toggles the Audio Pool window
1	toggles the Transport window
2	shifts channel strips by one bank to the left
3	shifts channel strips by one bank to the right
4	Shifts to second meaning of some buttons See also description of other buttons
5	While held down, value change mode is set to „ full“ : relative value changes to go minimum or maximum See also description of other buttons

Control	Assignment
6	enters Group Edit mode: <ul style="list-style-type: none"> • the upper line in the DSP edit section displays the currently edited group number and name • Parameter control push-switch buttons 1..4 toggle properties of the currently edited group, labelled in the lower line • When INSERT/PARAM is off, DSP Edit Scroll Encoder scrolls through the group properties. Otherwise it selects the currently edited group • the SELECT buttons toggle group membership of the track
	USER 4 switches to Track View
7	toggles the Group Clutch
	USER 4 switches to Extended Track View
8	creates a new group and enters Group Edit mode (see above)
	USER 4 switches to Global View
9	toggles between the Arrange and Track Mixer windows
10	shifts channel strips by one channel to the left
11	shifts channel strips by one channel to the right
12	While held down, the Group Clutch is engaged, i.e. all groups are disabled
13	While held down, value change mode is set to „fine“ : relative value changes work with maximum resolution See also description of other buttons
14	-
15	performs undo
	USER 4 performs redo
	USER 5 opens undo history window
16	saves the song
	USER 5 Save As...: saves the song with a different name

LOCATOR section




Control	Assignment
DISPLAY	toggles the Marker List window
1..8	recalls marker 1..8
USER 4	Switches to Global View and enables <ul style="list-style-type: none"> 1: MIDI Tracks 2: Inputs 3: Audio Tracks 4: Audio Instruments 5: Aux Tracks 6: Busses 7: Outputs and Master object
DISPLAY HISTORY [FORWARD]	selects tool: <ul style="list-style-type: none"> 1: arrow 2: pencil 3: rubber 4: text edit 5: scissors 6: glue 7: solo 8: mute
AUDITION	-
PRE	Sets left locator
IN	Sets Drop In locator
OUT	Sets Drop Out locator
POST	Sets right locator
RETURN TO ZERO	goes to the left locator
END	goes to the right locator
ONLINE	toggles internal/external Sync
QUICK PUNCH	toggles Drop mode


Channel strips

Control	Assignment
Level Meters	display momentary and peak level
Encoder	adjusts parameter selected in the AUX SELECT section
Encoder Push-Switch	Pan selected: sets Pan to center if MATRIX 1 on Send 1..8 selected: edits Send Pre/Post, toggles Send Mute or sets Send Level to default value Send Assign, Input or Output: confirms selection
AUTO	cycles automation mode. With an automation mode button held down, sets this automation mode
SEL	If ENCODER MODE [ASSIGN 4] off: selects track If ENCODER MODE [ASSIGN 4] on: <ul style="list-style-type: none"> • BYPASS off: selects track for plug-in selection • BYPASS on: toggles bypass of currently selected insert slot
USER 4	Sets volume to unity level
MATRIX SELECT 1	Sets volume to unity level
SOLO	toggles Solo
USER 5	disables Solo for all tracks
ON	toggles Mute
USER 5	unmutes all tracks
Channel strip display	displays track name, or Send, In or Out assignment display
Fader	adjusts volume, or duplicates Encoder in Flip mode

Transport/cursor section

Control	Assignment
REW	Shuttles backward
FF	Shuttles forward
STOP	Stop
PLAY	Play
USER 4	Pause

Control	Assignment
REC	Record
DISPLAY HISTORY [BACK]	-
DISPLAY HISTORY [FORWARD]	selects the next tool. While held down, digit buttons select a specific tool
SCRUB	toggles Scrub mode
SHUTTLE	toggles Shuttle mode
Parameter Wheel	Default: move SPL by one bar Scrub: scrubbing Shuttle: Shuttle mode
DEC	Default: leaves Folder Goto Marker: cancels dialog
USER 13	Toggles Audio window
INC	Toggles between Cursor and Zoom mode
Cursor Up	Cursor mode: equivalent to computer keyboard  key Zoom mode: zooms out vertically
USER 4	Zoom mode: Individual track zoom in
USER 13	Page Up
USER 5 + USER 13	Scroll to top
Cursor Down	Cursor mode: equivalent to computer keyboard  key Zoom mode: zooms out vertically
USER 4	Zoom mode: Individual track zoom out
USER 13	Page Down
USER 5 + USER 13	Scroll to bottom
Cursor Left	Cursor mode: equivalent to computer keyboard  key Zoom mode: zooms out horizontally
USER 4	Zoom mode: Individual track zoom reset of tracks with same type
USER 13	Page Left

Control	Assignment
USER 5 + USER 13	Scroll to left border
Cursor Right	Cursor mode: equivalent to computer keyboard  key Zoom mode: zooms in horizontally
USER 4	Zoom mode: Individual track zoom reset of all tracks
USER 13	Page Right
USER 5 + USER 13	Scroll to right border
ENTER	enters folder of selected track

6 Assignment overview – DM1000

A right-aligned modifier button below a button description means: while holding down this modifier, the button has this alternate meaning.

DISPLAY ACCESS section

Control	Assignment
DISPLAY	toggles the Sample Editor window
AUTOMIX	while held down, the Channel Strip displays display the tracks' automation mode
PAIR/GROUP	enters Group Edit mode: <ul style="list-style-type: none"> • the upper line in the DSP edit section displays the currently edited group number and name • Parameter control push-switch buttons 1..4 toggle properties of the currently edited group, labelled in the lower line • When INSERT/PARAM is off, DSP Edit Scroll Encoder scrolls through the group properties. Otherwise it selects the currently edited group • the SELECT buttons toggle group membership of the track
DAW SHIFT/ADD	switches to Track View
METER	Clears Overload LEDs
DAW SHIFT/ADD	Switches to Global View and enables MIDI Tracks
DAW ALT/FINE	Toggles Arrange window
EFFECT	toggles the Sample Editor window

AUX SELECT section

Control	Assignment
AUX 1	assigns Send 1 Level to Encoders, and Send 1..4 Levels to DSP Encoders. While held down, the Channel Strip displays show the current Send 1 destination assignment
DAW SHIFT/ADD	as above, but Send 6

Control	Assignment
AUX 2	assigns Send 2 Level to Encoders, and Send 1..4 Levels to DSP Encoders. While held down, the Channel Strip displays show the current Send 2 destination assignment
DAW SHIFT/ADD	as above, but Send 7
AUX 3	assigns Send 3 Level to Encoders, and Send 1..4 Levels to DSP Encoders. While held down, the Channel Strip displays show the current Send 3 destination assignment
DAW SHIFT/ADD	as above, but Send 8
AUX 4	assigns Send 4 Level to Encoders, and Send 1..4 Levels to DSP Encoders. While held down, the Channel Strip displays show the current Send 4 destination assignment
AUX 5	assigns Send 5 Level to Encoders, and Send 5..8 Levels to DSP Encoders. While held down, the Channel Strip displays show the current Send 5 destination assignment
AUX 6	toggles Encoder Push-Switch buttons between normal behavior and setting default value
AUX 8	determines mode of channel strip SEL buttons while channel strip AUTO button is off: <ul style="list-style-type: none"> • indicator off: track selection • indicator on: Insert selection

ENCODER MODE section

Control	Assignment
PAN	assigns Pan to Encoders; assigns selected track's pan/surround parameters to DSP Encoders
AUX	assigns Send 1 Level to Encoders, and Send 1..4 Levels to DSP Encoders. While held down, the Channel Strip displays show the current Send 1 destination assignment

FADER MODE section

Control	Assignment
FADER MODE	toggles Flip mode

LCD Function

Control	Assignment
Left & Right	Plug-In Edit: shifts parameter display by the number of Parameter controls in the control surface group (usually four)
DAW ALT/FINE	Plug-In Edit: shifts parameter display by one

LCD

The LCD displays different data, depending on the page you have selected with the buttons F2, F3 and F4:

- **INSERT ASSIGN/EDIT Display Mode:** parameter details, plug-in selection or plug-in parameters. Press [F2] to select this mode.

Display	Assignment
LCD	displays parameter details, plug-in selection or plug-in parameters
TIME CODE	checked if counter displays time code
FEET	(not assigned)
BEATS	checked if counter displays bars/beats/format/ticks
Time display	displays time code or bars/beats/format/ticks
SELECT ASSIGN	displays the Encoder assignment as follows: Pan, Snd1 .. Snd8, S1As .. S8As, In, Out

LCD Insert page

Control	Assignment
ASSIGN	-
COMPARE	toggles DSP display between modes „track name / parameter name“ and „parameter name / parameter value“
BYPASS	toggles bypass of currently edited plug-in insert
INSERT/PARAM	toggles between Plug-in Assign and Plug-in Edit modes

Control	Assignment
Parameter control 1-4 push-switch	<p>Assignment Pan:</p> <ul style="list-style-type: none"> Parameter control 1 push-switch sets Pan or Surround Angle to center Parameter control 2 push-switch sets Surround Diversity to center Parameter control 3 push-switch sets Surround LFE to center Parameter control 4 push-switch sets Surround Mode to center <p>Assignment Send:</p> <ul style="list-style-type: none"> toggle Send 1..4 or 5..8 Mute <p>Plug-In Assign:</p> <ul style="list-style-type: none"> confirm insert 1..4 or 5..8 plug-in selection, selects this insert and enters Plug-In Edit mode <p>Plug-In Edit:</p> <ul style="list-style-type: none"> sets value to default, or toggles switch
Parameter controls	<p>Assignment Pan:</p> <ul style="list-style-type: none"> Parameter control 1 controls Pan or Surround Angle Parameter control 2 controls Surround Diversity Parameter control 3 controls Surround LFE Parameter control 4 controls Surround Mode <p>Assignment Send:</p> <ul style="list-style-type: none"> control Send 1..4 or 5..8 Level <p>Plug-In Assign:</p> <ul style="list-style-type: none"> assigns insert 1..4 or 5..8 plug-in <p>Plug-In Edit:</p> <ul style="list-style-type: none"> sets value to default

Data Entry section

Control	Assignment
Parameter Wheel	<p>Default: move SPL by one bar</p> <p>Scrub: scrubbing</p> <p>Shuttle: Shuttle mode</p>
- (DEC)	<p>Default: leaves Folder</p> <p>Goto Marker: cancels dialog</p>

Control	Assignment
DAW ALT/FINE	Toggles Audio window
+ (INC)	enters folder of selected track

Channel strips

Control	Assignment
Level Meters	display momentary and peak level
Encoder	adjusts parameter selected in the AUX SELECT section
Encoder Push-Switch	Pan selected: sets Pan to center if MATRIX 1 on Send 1..8 selected: edits Send Pre/Post, toggles Send Mute or sets Send Level to default value Send Assign, Input or Output: confirms selection
SEL	If AUTO off: <ul style="list-style-type: none"> • AUX [AUX 8] off: selects track • AUX [AUX 8] on: selects track for insert assignment If AUTO on: <ul style="list-style-type: none"> • cycles automation mode. With an automation mode button held down, sets this automation mode
DAW SHIFT/ADD	Sets volume to unity level
MATRIX SELECT 1	Sets volume to unity level
SOLO	toggles Solo
DAW OPTION/ALL	disables Solo for all tracks
ON	toggles Mute
DAW OPTION/ALL	unmutes all tracks
Fader	adjusts volume, or duplicates Encoder in Flip mode

Stereo Channel strip

Control	Assignment
AUTO	toggles channel strips' SEL buttons between track and insert selection

USER DEFINED KEYS section

These keys can be assigned to the following functions:

Control	Assignment
DAW WIN STATUS	toggles the Audio Pool window
DAW REC/RDY 1 .. 16	toggles Record Ready
DAW WIN TRANSPORT	toggles the Transport window
DAW BANK-	shifts channel strips by one bank to the left
DAW BANK+	shifts channel strips by one bank to the right
DAW SHIFT/ADD	Shifts to second meaning of some buttons See also description of other buttons
DAW OPTION/ALL	While held down, value change mode is set to „full“ : relative value changes to go minimum or maximum See also description of other buttons
DAW GROUP STATUS	enters Group Edit mode: <ul style="list-style-type: none"> • the upper line in the DSP edit section displays the currently edited group number and name • Parameter control push-switch buttons 1..4 toggle properties of the currently edited group, labelled in the lower line • When INSERT/PARAM is off, DSP Edit Scroll Encoder scrolls through the group properties. Otherwise it selects the currently edited group • the SELECT buttons toggle group membership of the track
DAW SHIFT/ADD	switches to Track View
DAW SUSPEND	toggles the Group Clutch
DAW SHIFT/ADD	switches to Extended Track View
DAW CREATE GROUP	creates a new group and enters Group Edit mode (see above)
DAW SHIFT/ADD	switches to Global View
DAW WIN MIX/EDIT	toggles between the Arrange and Track Mixer windows
DAW CHANNEL -	shifts channel strips by one channel to the left

Control	Assignment
DAW CHANNEL+	shifts channel strips by one channel to the right
DAW CTRL/CLUTCH	While held down, the Group Clutch is engaged, i.e. all groups are disabled
DAW ALT/FINE	While held down, value change mode is set to „fine“ : relative value changes work with maximum resolution See also description of other buttons
DAW MONI STATUS	-
DAW UNDO	performs undo
DAW SHIFT/ADD	performs redo
DAW OPTION/ALL	opens undo history window
DAW SAVE	saves the song
DAW WIN MEM-LOC	toggles the Marker List window
DAW OPTION/ALL	Save As...: saves the song with a different name
DAW EDIT TOOL	selects the next tool. While held down, digit buttons select a specific tool
DAW WIN INSERT	toggles the Sample Editor window
DAW REC/RDY ALL	Disable Record Ready on all tracks
DAW SCRUB	toggles Scrub mode
DAW SHUTTLE	toggles Shuttle mode
DAW REW	Shuttles backward
DAW FF	Shuttles forward
DAW STOP	Stop
DAW PLAY	Play
DAW SHIFT/ADD	Pause
DAW REC	Record
DAW PRE	Sets left locator
DAW IN	Sets Drop In locator
DAW OUT	Sets Drop Out locator
DAW POST	Sets right locator
DAW RTZ	goes to the left locator
DAW END	goes to the right locator

Control	Assignment
DAW ONLINE	toggles internal/external Sync
DAW QUICK PUNCH	toggles Drop mode
DAW AUTO FADER	toggles automation playback and recording of Volume
DAW AUTO PAN	toggles automation playback and recording of Pan
DAW AUTO PLUGIN	toggles automation playback and recording of Plug-in parameters
DAW AUTO MUTE	toggles automation playback and recording of Mute
DAW AUTO SEND	toggles automation playback and recording of Send Level
DAW AUTO SEND MUTE	-
DAW AUTO WRITE	sets selected track to automation mode " Write" . While held down, channel Strip AUTO buttons set automation mode to " Write"
DAW OPTION/ALL	sets all tracks to automation mode " Write"
DAW AUTO TOUCH	sets selected track to automation mode " Touch" . While held down, channel Strip AUTO buttons set automation mode to " Touch"
DAW OPTION/ALL	sets all tracks to automation mode " Touch"
DAW AUTO LATCH	sets selected track to automation mode " Latch" . While held down, channel Strip AUTO buttons set automation mode to " Latch"
DAW OPTION/ALL	sets all tracks to automation mode " Latch"
DAW AUTO READ	sets selected track to automation mode " Read" . While held down, channel Strip AUTO buttons set automation mode to Read
DAW OPTION/ALL	sets all tracks to automation mode " Read"
DAW AUTO TRIM	-
DAW AUTO OFF	sets selected track to automation mode " Off" . While held down, channel Strip AUTO buttons set automation mode to " Off"

Control	Assignment
DAW OPTION/ALL	sets all tracks to automation mode " Off"
DAW AUTO STATUS	while held down, the Channel Strip displays display the tracks' automation mode

7 Assignment overview – 02R96

A right-aligned modifier button below a button description means: while holding down this modifier, the button has this alternate meaning.

DISPLAY ACCESS section

Control	Assignment
METER	Clears Overload LEDs

AUX SELECT section

Control	Assignment
AUX 1	assigns Send 1 Level to Encoders, and Send 1..4 Levels to DSP Encoders. While held down, the Channel Strip displays show the current Send 1 destination assignment
AUX 2	assigns Send 2 Level to Encoders, and Send 1..4 Levels to DSP Encoders. While held down, the Channel Strip displays show the current Send 2 destination assignment
AUX 3	assigns Send 3 Level to Encoders, and Send 1..4 Levels to DSP Encoders. While held down, the Channel Strip displays show the current Send 3 destination assignment
AUX 4	assigns Send 4 Level to Encoders, and Send 1..4 Levels to DSP Encoders. While held down, the Channel Strip displays show the current Send 4 destination assignment
AUX 5	assigns Send 5 Level to Encoders, and Send 5..8 Levels to DSP Encoders. While held down, the Channel Strip displays show the current Send 5 destination assignment

ENCODER MODE section

Control	Assignment
PAN	assigns Pan to Encoders; assigns selected track's pan/surround parameters to DSP Encoders
AUX	assigns Send 1 Level to Encoders, and Send 1..4 Levels to DSP Encoders. While held down, the Channel Strip displays show the current Send 1 destination assignment

FADER MODE section

Control	Assignment
FADER	toggles Flip mode
AUX/MTRX	toggles Flip mode

EFFECTS/PLUG-INS section

Control	Assignment
Display	toggles the Sample Editor window
PLUG-INS	toggles Encoder Push-Switch buttons between normal behavior and setting default value
CHANNEL INSERTS	determines mode of channel strip SEL buttons: <ul style="list-style-type: none">• indicator off: track selection• indicator on: Insert selection
1	-
2	toggles DSP display between modes „ track name / parameter name“ and „ parameter name / parameter value“
3	toggles bypass of currently edited plug-in insert
4	toggles between Plug-in Assign and Plug-in Edit modes
Parameter Up & Parameter Down	Plug-In Edit: shifts parameter display by the number of Parameter controls in the control surface group (usually four)

Control	Assignment
Parameter control 1-4 push-switch	<p>Assignment Pan:</p> <ul style="list-style-type: none"> Parameter control 1 push-switch sets Pan or Surround Angle to center Parameter control 2 push-switch sets Surround Diversity to center Parameter control 3 push-switch sets Surround LFE to center Parameter control 4 push-switch sets Surround Mode to center <p>Assignment Send:</p> <ul style="list-style-type: none"> toggle Send 1..4 or 5..8 Mute <p>Plug-In Assign:</p> <ul style="list-style-type: none"> confirm insert 1..4 or 5..8 plug-in selection, selects this insert and enters Plug-In Edit mode <p>Plug-In Edit:</p> <ul style="list-style-type: none"> sets value to default, or toggles switch
Parameter controls	<p>Assignment Pan:</p> <ul style="list-style-type: none"> Parameter control 1 controls Pan or Surround Angle Parameter control 2 controls Surround Diversity Parameter control 3 controls Surround LFE Parameter control 4 controls Surround Mode <p>Assignment Send:</p> <ul style="list-style-type: none"> control Send 1..4 or 5..8 Level <p>Plug-In Assign:</p> <ul style="list-style-type: none"> assigns insert 1..4 or 5..8 plug-in <p>Plug-In Edit:</p> <ul style="list-style-type: none"> sets value to default

LCD

The LCD displays different data, depending on the page you have selected with the buttons F2, F3 and F4 (see page 171ff of the 02R96 user manual):

- **INSERT ASSIGN/EDIT Display Mode:** parameter details, plug-in selection or plug-in parameters. Press [F2] to select this mode.

Display	Assignment
TIME CODE	checked if counter displays time code
FEET	(not assigned)

Display	Assignment
BEATS	checked if counter displays bars/beats/format/ticks
Time display	displays time code or bars/beats/format/ticks
SELECT ASSIGN	displays the Encoder assignment as follows: Pan, Snd1 .. Snd8, S1As .. S8As, In, Out

- Channel Display Mode: Encoder values and Channel Strip display). Press [F3] to select this mode.
- level meters. Press [F4] to select this mode.

USER DEFINED KEYS section

Control	Assignment
DISPLAY	while held down, the Channel Strip displays display the tracks' automation mode
1	toggles between the Arrange and Track Mixer windows
2	toggles the Group Clutch
3	sets selected track to automation mode " Write" . While held down, channel Strip AUTO buttons set automation mode to " Write"
4	sets selected track to automation mode " Touch" . While held down, channel Strip AUTO buttons set automation mode to " Touch"
5	sets selected track to automation mode " Latch" . While held down, channel Strip AUTO buttons set automation mode to " Latch"
6	sets selected track to automation mode " Read" . While held down, channel Strip AUTO buttons set automation mode to Read
7	-
8	sets selected track to automation mode " Off" . While held down, channel Strip AUTO buttons set automation mode to " Off"
9	shifts channel strips by one bank to the left
10	shifts channel strips by one bank to the right

Control	Assignment
11	toggles automation playback and recording of Volume
12	toggles automation playback and recording of Mute
13	toggles automation playback and recording of Pan
14	toggles automation playback and recording of Send Level
15	-
16	toggles automation playback and recording of Plug-in parameters

Channel strips





Control	Assignment
Encoder	adjusts parameter selected in the AUX SELECT section
Encoder Push-Switch	Pan selected: sets Pan to center if EFFECTS/PLUG-INS [PLUG-INS] on Send 1..8 selected: edits Send Pre/Post, toggles Send Mute or sets Send Level to default value Send Assign, Input or Output: confirms selection
AUTO	cycles automation mode. With an automation mode button held down, sets this automation mode
SEL	If EFFECTS/PLUG-INS [CHANNEL INSERTS] off: selects track If EFFECTS/PLUG-INS [CHANNEL INSERTS] on: selects track for plug-in selection
SOLO	toggles Solo
ON	toggles Mute
Fader	adjusts volume, or duplicates Encoder in Flip mode

MACHINE CONTROL section

Control	Assignment
DISPLAY	toggles the Marker List window
1..8	recalls marker 1..8
REW	Shuttles backward

Control	Assignment
FF	Shuttles forward
STOP	Stop
PLAY	Play
REC	Record

Data entry section

Control	Assignment
SCRUB	toggles Scrub mode
SHUTTLE	toggles Shuttle mode
Parameter Wheel	Default: move SPL by one bar Scrub: scrubbing Shuttle: Shuttle mode
ENTER	enters folder of selected track
DEC	leaves Folder
INC	Toggles between Cursor and Zoom mode
Cursor Up	Cursor mode: equivalent to computer keyboard  key Zoom mode: zooms out vertically
Cursor Down	Cursor mode: equivalent to computer keyboard  key Zoom mode: zooms out vertically
Cursor Left	Cursor mode: equivalent to computer keyboard  key Zoom mode: zooms out horizontally
Cursor Right	Cursor mode: equivalent to computer keyboard  key Zoom mode: zooms in horizontally

8 Assignment overview – 01V96

A right-aligned modifier button below a button description means: while holding down this modifier, the button has this alternate meaning.

DISPLAY ACCESS section

Control	Assignment
DISPLAY	toggles the Sample Editor window
AUTOMIX	while held down, the Channel Strip displays display the tracks' automation mode
PAIR/GROUP	enters Group Edit mode: <ul style="list-style-type: none"> • the upper line in the DSP edit section displays the currently edited group number and name • Parameter control push-switch buttons 1..4 toggle properties of the currently edited group, labelled in the lower line • When INSERT/PARAM is off, DSP Edit Scroll Encoder scrolls through the group properties. Otherwise it selects the currently edited group • the SELECT buttons toggle group membership of the track
DAW SHIFT/ADD	switches to Track View
EFFECT	toggles the Sample Editor window

FADER MODE section

Control	Assignment
AUX 1	assigns Send 1 Level to Encoders, and Send 1..4 Levels to DSP Encoders. While held down, the Channel Strip displays show the current Send 1 destination assignment
DAW SHIFT/ADD	as above, but Send 6
AUX 2	assigns Send 2 Level to Encoders, and Send 1..4 Levels to DSP Encoders. While held down, the Channel Strip displays show the current Send 2 destination assignment
DAW SHIFT/ADD	as above, but Send 7

Control	Assignment
AUX 3	assigns Send 3 Level to Encoders, and Send 1..4 Levels to DSP Encoders. While held down, the Channel Strip displays show the current Send 3 destination assignment
DAW SHIFT/ADD	as above, but Send 8
AUX 4	assigns Send 4 Level to Encoders, and Send 1..4 Levels to DSP Encoders. While held down, the Channel Strip displays show the current Send 4 destination assignment
AUX 5	assigns Send 5 Level to Encoders, and Send 5..8 Levels to DSP Encoders. While held down, the Channel Strip displays show the current Send 5 destination assignment
AUX 6	toggles Encoder Push-Switch buttons between normal behavior and setting default value
AUX 7	assigns Pan to Encoders; assigns selected track's pan/surround parameters to DSP Encoders
AUX 8	determines mode of channel strip SEL buttons while channel strip AUTO button is off: <ul style="list-style-type: none"> • indicator off: track selection • indicator on: Insert selection
HOME	toggles Flip mode

LCD Function

Control	Assignment
Left & Right	Plug-In Edit: shifts parameter display by the number of Parameter controls in the control surface group (usually four)
DAW ALT/FINE	Plug-In Edit: shifts parameter display by one
F1	Clears Overload LEDs
DAW SHIFT/ADD	Switches to Global View and enables MIDI Tracks
DAW ALT/FINE	Toggles Arrange window

LCD

The LCD displays different data, depending on the page you have selected with the buttons F2, F3 and F4:

- **INSERT ASSIGN/EDIT Display Mode:** parameter details, plug-in selection or plug-in parameters. Press [F2] to select this mode.

Display	Assignment
LCD	displays parameter details, plug-in selection or plug-in parameters
TIME CODE	checked if counter displays time code
FEET	(not assigned)
BEATS	checked if counter displays bars/beats/format/ticks
Time display	displays time code or bars/beats/format/ticks
SELECT ASSIGN	displays the Encoder assignment as follows: Pan, Snd1 .. Snd8, S1As .. S8As, In, Out

LCD Insert page

Control	Assignment
ASSIGN	-
COMPARE	toggles DSP display between modes „track name / parameter name“ and „parameter name / parameter value“
BYPASS	toggles bypass of currently edited plug-in insert
INSERT/PARAM	toggles between Plug-in Assign and Plug-in Edit modes

Control	Assignment
Parameter control 1-4 push-switch	<p>Assignment Pan:</p> <ul style="list-style-type: none"> • Parameter control 1 push-switch sets Pan or Surround Angle to center • Parameter control 2 push-switch sets Surround Diversity to center • Parameter control 3 push-switch sets Surround LFE to center • Parameter control 4 push-switch sets Surround Mode to center <p>Assignment Send:</p> <ul style="list-style-type: none"> • toggle Send 1..4 or 5..8 Mute <p>Plug-In Assign:</p> <ul style="list-style-type: none"> • confirm insert 1..4 or 5..8 plug-in selection, selects this insert and enters Plug-In Edit mode <p>Plug-In Edit:</p> <ul style="list-style-type: none"> • sets value to default, or toggles switch
Parameter controls	<p>Assignment Pan:</p> <ul style="list-style-type: none"> • Parameter control 1 controls Pan or Surround Angle • Parameter control 2 controls Surround Diversity • Parameter control 3 controls Surround LFE • Parameter control 4 controls Surround Mode <p>Assignment Send:</p> <ul style="list-style-type: none"> • control Send 1..4 or 5..8 Level <p>Plug-In Assign:</p> <ul style="list-style-type: none"> • assigns insert 1..4 or 5..8 plug-in <p>Plug-In Edit:</p> <ul style="list-style-type: none"> • sets value to default

LCD Channel page

Control	Assignment
Encoder	adjusts parameter selected in the FADER MODE section
Encoder Switch	<p>Pan selected: sets Pan to center if MATRIX 1 on</p> <p>Send 1..8 selected: edits Send Pre/Post, toggles Send Mute or sets Send Level to default value</p> <p>Send Assign, Input or Output: confirms selection</p>

Selected Channel

Control	Assignment
Pan Encoder	adjusts parameter selected in the FADER MODE section
SEL	toggles channel strips' SEL buttons between track and insert selection

Data Entry section

Control	Assignment
Parameter Wheel	Default: move SPL by one bar Scrub: scrubbing Shuttle: Shuttle mode
- (DEC)	Default: leaves Folder Goto Marker: cancels dialog
DAW ALT/FINE	Toggles Audio window
+ (INC)	enters folder of selected track

Channel strips

Control	Assignment
Level Meters	display momentary and peak level
SEL	If AUTO off: <ul style="list-style-type: none"> • FADER MODE [AUX 8] off: selects track • FADER MODE [AUX 8] on: selects track for insert assignment If AUTO on: <ul style="list-style-type: none"> • cycles automation mode. With an automation mode button held down, sets this automation mode
DAW SHIFT/ADD	Sets volume to unity level
MATRIX SELECT 1	Sets volume to unity level
SOLO	toggles Solo
DAW OPTION/ALL	disables Solo for all tracks
ON	toggles Mute

Control	Assignment
DAW OPTION/ALL	unmutes all tracks
Fader	adjusts volume, or duplicates Encoder in Flip mode

Stereo Channel strip

Control	Assignment
SEL	toggles channel strips' SEL buttons between track and insert selection

USER DEFINED KEYS section

These keys can be assigned to the following functions:

Control	Assignment
DAW WIN STATUS	toggles the Audio Pool window
DAW REC/RDY 1 .. 16	toggles Record Ready
DAW WIN TRANSPORT	toggles the Transport window
DAW BANK-	shifts channel strips by one bank to the left
DAW BANK+	shifts channel strips by one bank to the right
DAW SHIFT/ADD	Shifts to second meaning of some buttons See also description of other buttons
DAW OPTION/ALL	While held down, value change mode is set to „full“ : relative value changes to go minimum or maximum See also description of other buttons
DAW GROUP STATUS	enters Group Edit mode: <ul style="list-style-type: none"> • the upper line in the DSP edit section displays the currently edited group number and name • Parameter control push-switch buttons 1..4 toggle properties of the currently edited group, labelled in the lower line • When INSERT/PARAM is off, DSP Edit Scroll Encoder scrolls through the group properties. Otherwise it selects the currently edited group • the SELECT buttons toggle group membership of the track

Control	Assignment
DAW SHIFT/ADD	switches to Track View
DAW SUSPEND	toggles the Group Clutch
DAW SHIFT/ADD	switches to Extended Track View
DAW CREATE GROUP	creates a new group and enters Group Edit mode (see above)
DAW SHIFT/ADD	switches to Global View
DAW WIN MIX/EDIT	toggles between the Arrange and Track Mixer windows
DAW CHANNEL -	shifts channel strips by one channel to the left
DAW CHANNEL+	shifts channel strips by one channel to the right
DAW CTRL/CLUTCH	While held down, the Group Clutch is engaged, i.e. all groups are disabled
DAW ALT/FINE	While held down, value change mode is set to „fine“ : relative value changes work with maximum resolution See also description of other buttons
DAW MONI STATUS	-
DAW UNDO	performs undo
DAW SHIFT/ADD	performs redo
DAW OPTION/ALL	opens undo history window
DAW SAVE	saves the song
DAW WIN MEM-LOC	toggles the Marker List window
DAW OPTION/ALL	Save As...: saves the song with a different name
DAW EDIT TOOL	selects the next tool. While held down, digit buttons select a specific tool
DAW WIN INSERT	toggles the Sample Editor window
DAW REC/RDY ALL	Disable Record Ready on all tracks
DAW SCRUB	toggles Scrub mode
DAW SHUTTLE	toggles Shuttle mode
DAW REW	Shuttles backward
DAW FF	Shuttles forward
DAW STOP	Stop

Control	Assignment
DAW PLAY	Play
DAW SHIFT/ADD	Pause
DAW REC	Record
DAW PRE	Sets left locator
DAW IN	Sets Drop In locator
DAW OUT	Sets Drop Out locator
DAW POST	Sets right locator
DAW RTZ	goes to the left locator
DAW END	goes to the right locator
DAW ONLINE	toggles internal/external Sync
DAW QUICK PUNCH	toggles Drop mode
DAW AUTO FADER	toggles automation playback and recording of Volume
DAW AUTO PAN	toggles automation playback and recording of Pan
DAW AUTO PLUGIN	toggles automation playback and recording of Plug-in parameters
DAW AUTO MUTE	toggles automation playback and recording of Mute
DAW AUTO SEND	toggles automation playback and recording of Send Level
DAW AUTO SEND MUTE	-
DAW AUTO WRITE	sets selected track to automation mode " Write" . While held down, channel Strip AUTO buttons set automation mode to " Write"
DAW OPTION/ALL	sets all tracks to automation mode " Write"
DAW AUTO TOUCH	sets selected track to automation mode " Touch" . While held down, channel Strip AUTO buttons set automation mode to " Touch"
DAW OPTION/ALL	sets all tracks to automation mode " Touch"
DAW AUTO LATCH	sets selected track to automation mode " Latch" . While held down, channel Strip AUTO buttons set automation mode to " Latch"
DAW OPTION/ALL	sets all tracks to automation mode " Latch"

Control	Assignment
DAW AUTO READ	sets selected track to automation mode " Read" . While held down, channel Strip AUTO buttons set automation mode to Read
DAW OPTION/ALL	sets all tracks to automation mode " Read"
DAW AUTO TRIM	-
DAW AUTO OFF	sets selected track to automation mode " Off" . While held down, channel Strip AUTO buttons set automation mode to " Off"
DAW OPTION/ALL	sets all tracks to automation mode " Off"
DAW AUTO STATUS	while held down, the Channel Strip displays display the tracks' automation mode



- (DEC) 43, 59

Symbols

..... 38
- 23
* 22
+ 23
+ (INC) 44, 59
. 23
/ 22
= 22

Numerics

0 23
01V96 9
 Assignment overview 55
 Setup 13
02R96 9
 Assignment overview 49
 Setup 12
1 23

A

ABORT/UNDO 33
ALT 16
Arrange window 16, 19, 27, 31, 40, 56
arrow tool 23, 36
ASSIGN 16, 18, 42, 57
ASSIGN 1 30
ASSIGN 2 30
ASSIGN 3 30
ASSIGN section 15
Audio Instruments 19, 23, 36
Audio Pool window 16, 34, 45, 60
Audio Tracks 19, 23, 36
Audio window 20
AUDITION 23, 36
AUTO 18, 21, 37, 44, 53
AUTO ENABLE section 20
AUTO MODE section 20
automation mode 18, 20, 21, 27, 33, 37, 40, 44, 48, 52, 53, 55, 59, 63
automation playback 20, 27, 53
Automation Section 27
AUTOMIX 40, 55
AUTOMIX section 33
AUTOREC 33
AUX 41, 44, 59

FADER MODE 59
AUX SELECT section 29, 40, 49
Aux Tracks 20, 23, 36
AUX/MTRX 30, 50

B

Baby HUI 9
 Assignment overview 26
 Setup 10
DISPLAY HISTORY 38
Bank Left 16
Bank Right 16
BANK SELECT Left 28
BANK SELECT Right 28
bars/beats/format/ticks 20, 22, 32, 42, 52, 57
BEATS 22, 32, 42, 52, 57
Busses 20, 23, 36
BYPASS 15, 18, 42, 57
bypass 17, 31, 37, 42, 50, 57
BYPASS/OFF 27

C

cancel 20
CAPTURE 22
CHANNEL INSERTS 50, 53
Channel Left 16
Channel Right 16
Channel strip display 37
Channel strips 17, 26, 37, 44, 53, 59
CLR 22
CMD/ALT/FINE 17
COMPARE 18, 42, 57
computer keyboard 22
COPY 22
CREATE 22
CTRL/CLUTCH 17
Cursor buttons 24
Cursor Down 24, 38, 54
Cursor Left 24, 38, 54
Cursor Right 25, 39, 54
Cursor Up 24, 38, 54
CUT 22
Cycle 24

D

Data Entry section 43, 59
DAW ALT/FINE 46, 61

DAW AUTO FADER	47, 62
DAW AUTO LATCH	47, 62
DAW AUTO MUTE	47, 62
DAW AUTO OFF	47, 63
DAW AUTO PAN	47, 62
DAW AUTO PLUGIN	47, 62
DAW AUTO READ	47, 63
DAW AUTO SEND	47, 62
DAW AUTO SEND MUTE	47, 62
DAW AUTO STATUS	48, 63
DAW AUTO TOUCH	47, 62
DAW AUTO TRIM	47, 63
DAW AUTO WRITE	47, 62
DAW BANK-	45, 60
DAW BANK+	45, 60
DAW CHANNEL -	45, 61
DAW CHANNEL+	46, 61
DAW CREATE GROUP	45, 61
DAW CTRL/CLUTCH	46, 61
DAW EDIT TOOL	46, 61
DAW END	46, 62
DAW FF	46, 61
DAW GROUP STATUS	45, 60
DAW IN	46, 62
DAW MONI STATUS	46, 61
DAW ONLINE	47, 62
DAW OPTION/ALL	45, 60
DAW OUT	46, 62
DAW PLAY	46, 62
DAW POST	46, 62
DAW PRE	46, 62
DAW QUICK PUNCH	47, 62
DAW REC	46, 62
DAW REC/RDY	45, 60
DAW REC/RDY ALL	46, 61
DAW REW	46, 61
DAW RTZ	46, 62
DAW SAVE	46, 61
DAW SCRUB	46, 61
DAW SHIFT/ADD	45, 60
DAW SHUTTLE	46, 61
DAW STOP	46, 61
DAW SUSPEND	45, 61
DAW UNDO	46, 61
DAW WIN INSERT	46, 61
DAW WIN MEM-LOC	46, 61
DAW WIN MIX/EDIT	45, 61
DAW WIN STATUS	45, 60
DAW WIN TRANSPORT	45, 60
DEC	38, 54
DEFAULT	16

default	29, 41, 50, 56
DELETE	22
dialog	20
DISPLAY	33, 34, 36, 40, 52, 53, 55
Display	31, 50
DISPLAY ACCESS section	31, 40, 49, 55
DISPLAY HISTORY	36
Display Section	27
DM1000	9
Assignment overview	40
Setup	11
DM2000	9
Assignment overview	29
Setup	11
Drop	24, 36, 47, 62
Drop In locator	23, 27, 36, 46, 62
Drop Out locator	24, 27, 36, 46, 62
DSP display	31, 42, 50, 57
DSP EDIT/ASSIGN section	18
DSP Select	18, 32, 43, 51, 58
DSP V-Pot	19, 32, 43, 51, 58

E

EDIT	16, 27
EDIT MODE	17
EDIT section	22
EDIT TOOL	17, 23
EFFECT	40, 55
EFFECTS/PLUG-INS	53
EFFECTS/PLUG-INS section	31, 50
enables Inputs	19
Encoder	37, 44, 53, 58, 59
Encoder Assignment Section	26
ENCODER MODE	15, 37
ENCODER MODE section	30, 41, 50
Encoder Push-Switch	37, 44, 53, 58
Encoder Switch	58
END	24, 27, 36
ENTER	23, 39, 54
Event Editor window	19
Extended Track View	22, 35, 45, 61

F

F1	19
F2	19
F3	19
F4	19
F5	19

F6	20
F7	20
F8/ESC	20
FADER	20, 30, 50
Fader	18, 26, 37, 44, 53, 60
Fader bank buttons	16
FADER MODE	41
FADER MODE section	30, 41, 50, 55
FAST FWD	24, 28
FEET	22, 32, 42, 51, 57
FF	37, 54
fine	17, 35, 46, 61
Flip mode	16, 30, 41, 50, 56
folder	20, 23, 39, 44, 54, 59
Foot Switch 1	25
Foot Switch 2	25
Foot switches	25
DISPLAY HISTORY	38
full	17, 34, 45, 60
Function keys	19

G

Global View	19, 22, 31, 35, 40, 45, 56, 61
glue tool	23, 36
Goto Marker	23
GROUP	21
Group	21, 35, 40, 45, 55, 60, 61
Group Clutch	17, 22, 35, 45, 46, 52, 61
group membership	21

H

HOME	56
HUI	9
Assignment overview	15
Setup	10
Hyper Editor window	20

I

IN	23, 36
INC	38, 54
Individual track zoom	24, 38
INPUT	15
Inputs	23, 36
INSERT	17
Insert Bypass	15, 29
Insert Select	15, 29
INSERT/PARAM	19, 42, 57

J

Jog wheel 25

K

KEYBOARD SHORTCUTS section .. 17

L

LATCH 21

Latch 21, 33, 47, 62

LCD 32, 42, 51, 56

LCD Channel page 58

LCD Function 42, 56

LCD Insert page 42, 57

left locator 23, 36, 46, 62

level 17, 37, 44, 59

Level Meters 17, 37, 44, 59

LOCATE/NUMBERS section 22

LOCATOR section 36

Logic Platinum 10

LOOP 24

M

MACHINE CONTROL section 53

marker 22

Marker List window . 16, 27, 36, 46, 53, 61

MASTER 33

Matrix Editor window 20

MATRIX SELECT section 29

MEM-LOC 16, 27

METER 31, 40, 49

MIDI Tracks 19, 23, 31, 36, 40, 56

MIX 16, 27

MODE 25

MONITOR 21

MUTE 16, 18, 20, 26

Mute 18, 20, 26, 27, 37, 44, 53, 59

mute tool 23, 36

N

Navigation section 27

next tool 17

O

OFF 21
Off 21, 27, 34, 47, 52, 63
OMS 10
ON 37, 44, 53, 59
ON LINE 24
ONLINE 36
OPTION/ALL 17
OUT 24, 36
OUTPUT 15
Outputs and Master object 20, 23, 36
Overload LEDs 19, 31, 40, 49, 56

P

Page Down 24, 38
Page Left 25, 38
Page Right 25, 39
Page Up 38
PAIR/GROUP 40, 55
PAN 15, 20, 26, 30, 41, 50
Pan 15, 20, 26, 27, 53
Pan Encoder 59
parameter display 19, 31, 42, 50, 56
Parameter Wheel 38, 43, 54, 59
PASTE 22
Pause 24, 37, 46, 62
pencil tool 23, 36
PHASE 21
PLAY 24, 28, 37, 54
PLUG IN 20
Plug-in parameters 20, 53
PLUG-INS 50
POST 24, 36
PRE 23, 36

Q

QUICK PUNCH 24, 36

R

READ 20, 27
Read 20, 27, 33, 47, 63
REC 33, 38, 54
REC/RDY 17
REC/RDY ALL 15
RECORD 24, 28
Record Ready 15, 17, 26, 33, 45, 60

redo	17, 35, 46, 61
RELATIVE	33
Requirements	10
RETURN	33
RETURN TO ZERO	36
REW	37, 53
REWIND	24, 28
right locator	24, 36, 46, 62
Rotary encoder	26
Rotary encoder push button	26
RTZ	24, 27
rubber tool	23, 36
RUDE SOLO LIGHT	22

S

Sample Editor window	16
SAVE	17
Save	35, 46, 61
Save As	17, 35, 46, 61
scissors tool	23, 36
Score Editor window	19
Screen Set	19
Scribble Strip	18
SCROLL	19
Scroll to bottom	24, 38
Scroll to left border	25, 39
Scroll to right border	39
Scroll to top	24, 38
SCRUB	25, 38, 54
Scrub	38, 46, 54, 61
SEL	37, 44, 53, 59, 60
SELECT	18
SELECT-ASSIGN	16, 33, 42, 52, 57
Selected Channel	59
SEND	20
SEND 1	26
Send 1 Level	15, 26, 29, 40, 49, 55
SEND 2	26
Send 2 Level	15, 26, 29, 41, 49, 55
SEND 3	26
Send 3 Level	15, 26, 29, 41, 49, 56
SEND 4	26
Send 4 Level	15, 26, 30, 41, 49, 56
Send 5 Level	15, 30, 41, 49, 56
SEND A	15
SEND B	15
SEND C	15
SEND D	15
Send Destination	16, 30

SEND E	15
Send Level	20, 27, 53
SEND MUTE	20
Send Mute	16, 29
Send Position	16, 29
Send Pre/Post	17
SEPARATE	22
Set up	10
SHIFT	16, 27
SHIFT/ADD	17
SHUTTLE	25, 38, 54
Shuttle	24, 28, 37, 38, 46, 53, 54, 61
SMPTE	20
SOLO	18, 26, 37, 44, 53, 59
Solo	18, 26, 37, 44, 53, 59
solo tool	23, 36
STATUS	16
STATUS/GROUP section	21
Stereo Channel strip	44, 60
STOP	24, 28, 37, 54
Surround Angle	18, 19, 32, 43, 51, 58
Surround Diversity	18, 19, 32, 43, 51, 58
Surround LFE	18, 19, 32, 43, 51, 58
Surround Mode	18, 19, 32, 43, 51, 58
SUSPEND	16, 22
Sync	24, 36, 47, 62

T

text edit tool	23, 36
TIME CODE	22, 32, 42, 51, 57
Time display	22, 33, 42, 52, 57
tool	38, 46, 61
TOUCH	21, 27
Touch	21, 27, 33, 47, 52, 62
TOUCH SENSE	34
TRACK ARMING section	33
Track Input	15, 30
Track Mixer window	16, 19, 27, 35, 45, 52, 61
Track Output	15, 30
Track View	21, 35, 40, 45, 55, 61
TRANSPORT	16, 27
Transport section	23, 27
Transport window	16, 20, 27, 34, 45, 60
Transport/cursor section	37
TRIM	21

U

U	24
---	----

UNDO 17, 27
undo 35, 46, 61
undo history window 17, 35, 46, 61
unity level 18, 37, 44, 59
USER DEFINED KEYS section 34, 45, 52, 60
Utility Section 27

V

Volume 20, 27, 53
V-Pot 17
V-SEL 17

W

WINDOW section 16
WRITE 21, 27
Write 21, 27, 33, 47, 52, 62

X

XKey 10

Z

Zoom 24, 38
Zoom mode 25, 54
zoom tool 23