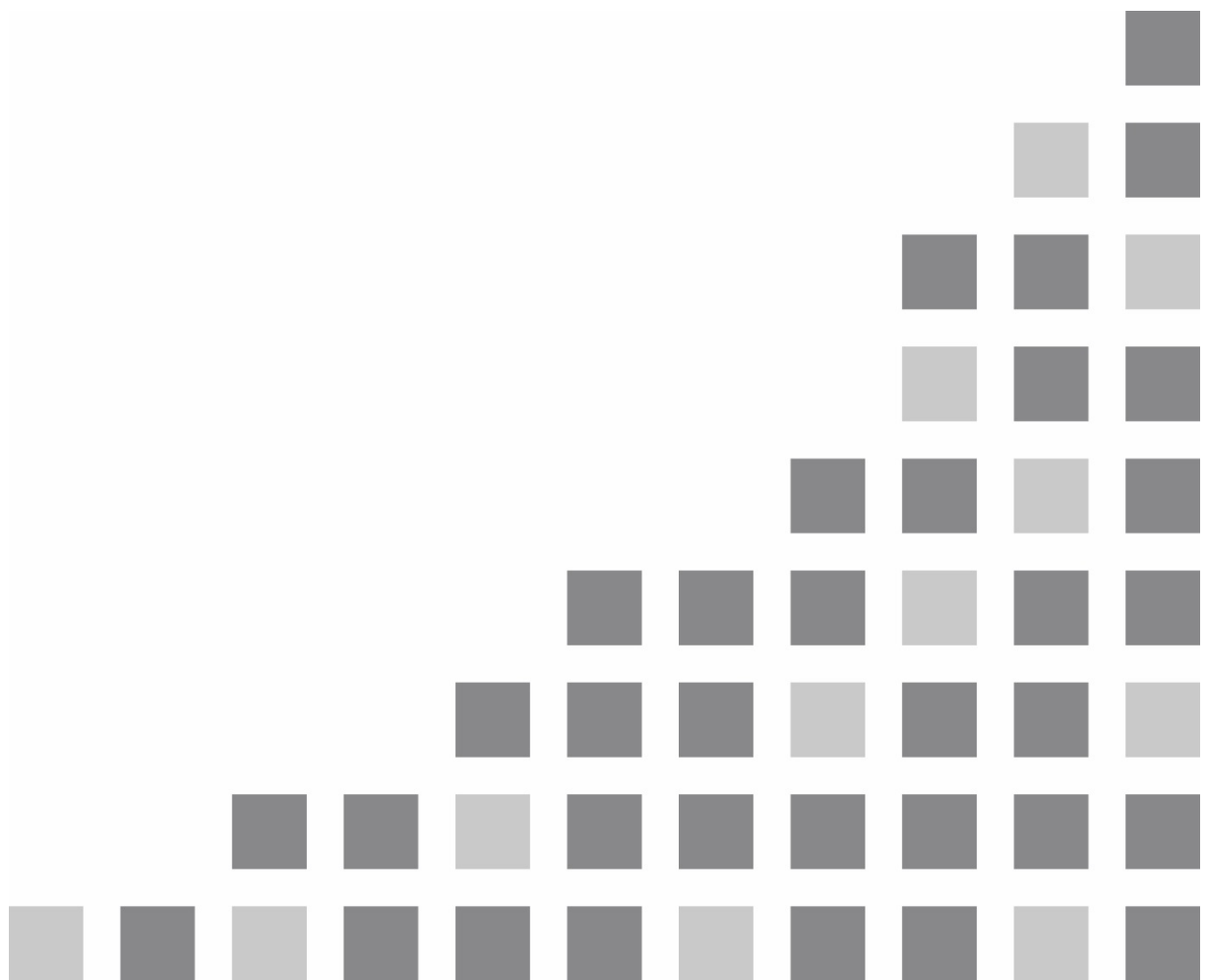


AV-HS7300 Series

Plug-in Software



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Introduction

The AV-HS7300 series Live Switcher supports plug-in software that can be registered to include additional functionality.

The following types of plug-in software are available.

- **AUX_IP**: Allows you to select AUX output material from a remote control panel (Venetex VS-R45) connected on the network.
- **External_Control**: Allows you to switch buses and transmit/receive material name information between external devices connected to the network. You can also switch the SourceLink settings (Master/Slave) from external devices.
- **EXT_PANEL_IP**: Allows you to select the source for each bus on the external panels (Lawo LBP series) connected to the network, perform video transmissions, and play back macro memories and shot memories.

Registration and Launch Setting

You can register, delete, and set launch settings for plug-in software by pressing the <PLUG IN> button in the top menu and selecting [PLUGIN Maint]→[Configuration]/[Load] tab. For details, refer to the AV-HS7300 series User Guide.

Note:

- 1) The functions of the plug-in software are enabled in V5.50-00-0.00 and later of the device software. Not all of the plug-in software functions will operate if the plug-in software is registered in device software versions earlier than V5.50-00-0.00.
You can check the version of the mainframe software from the top menu via the <SYS> button → [MAINTENANCE] → [Status] tab → [System Version] column.
- 2) Multiple instances of the same plug-in software cannot be registered and used.
- 3) Use the plug-in after the AV-HS7300 mainframe's power reboots with the launch setting set to [Enable on boot] is ON.

AUX_IP(V3.XX)

<Overview>

This software is a plug-in for the AV-HS7300 series Live Switcher. Allows you to select the following buses from a remote control panel (Venetex VS-R45) connected on the network.

- AUX output
- PGM and PVW of each ME
- Fill and Source of KEY1 to KEY4 of each ME
- UTIL1/2 output of each ME
- Fill and Source for DSK1 to DSK4
- Fill and Source for DISP and VMEM

[PGM / PVW] button

When any of the AUX1 to AUX24 buses of the AV-HS7300 are configured for the AUX1 to AUX4 bus switch labels of the VS-R45, you can switch configured AUX bus crosspoints to DSK PGM1 / DSK PVW1 by pressing the [PGM / PVW] button of the VS-R45.

[AUTO] button

- When any of the Fill or Source buses for ME1KEY1 to KEY4, ME2KEY1 to KEY4, ME3KEY1 to KEY4, ME4KEY1 to KEY4, or DSK1 to 4 of the AV-HS7300 are configured for the KEY, PinP1, PinP2, DSK1, or DSK2 bus switch labels of the VS-R45, you can transition between ON/OFF for the configured key bus key by pressing the [AUTO] button of the VS-R45.
- When any of the AUX1 to AUX4 buses of the AV-HS7300 are configured for the AUX1 bus switch label of the VS-R45, you can transition between ON/OFF for the configured AUX bus by pressing the [AUTO] button of the VS-R45.
- When any of the ME1PGM to ME4PGM or ME1PVW to ME4PVW buses of the AV-HS7300 are configured for the PGM/A and PST/B bus switch labels of the VS-R45, you can perform BKGD AUTO transitions for the configured ME by pressing the [AUTO] button of the VS-R45.
* If different ME are configured for PGM/A and PST/B, BKGD AUTO will be performed for the ME configured for PST/B.

<Setup>

Connect the VS-R45 to the LAN port on the rear panel of the AV-HS73U2 using a LAN cable.

A single plug-in can support six VS-R45 units. If connecting to multiple VS-R45 units, connect the units using a distribution hub. Configure the VS-R45 units for use with an AV-HS450.

<Configuration>

1. Display the number menu to which the AUX_IP plug-in is registered.
 - Press the <PLUG IN> button in the top menu and select [Plugin #-#] → [AUX_IP] tab.
2. Configure the AUX_IP plug-in network.

Configure the receive port number of the AV-HS7300 in the [Port No] column. The value is "60020" (fixed).
3. Configure the IP address of VS-R45.

In the [AUX_IP IP Address1] to [AUX_IP IP Address3] columns, configure the IP addresses for the six VS-R45 units to be connected.

Associate the columns that correspond to the Convert1 to 11 VS-R45 bus switch labels and AUX XPT1 to 32 with AV-HS7300 AUX buses and materials for each of the VS-R45 units (AUX_IP1 to 6) corresponding to the IP addresses configured in this menu.

4. Configure the columns that correspond to the Convert1 to 11 VS-R45 bus switch labels for each of the six VS-R45 units (AUX_IP1 to AUX_IP6). Configure the target AUX_IP1 to 6 in the [AUX_IP] column, and configure the AV-HS7300 buses in the columns corresponding to the Convert1 to 11 VS-R45 bus switch labels.

AV-HS7300 bus	Assignable buses
AUX	No Assign, AUX1 to 24
ME1	No Assign, PGM, PVW, KEY1 F, KEY1 S to KEY4 F, KEY4 S, UTIL1, UTIL2
ME2	No Assign, PGM, PVW, KEY1 F, KEY1 S to KEY4 F, KEY4 S, UTIL1, UTIL2
ME3	No Assign, PGM, PVW, KEY1 F, KEY1 S to KEY4 F, KEY4 S, UTIL1, UTIL2
ME4	No Assign, PGM, PVW, KEY1 F, KEY1 S to KEY4 F, KEY4 S, UTIL1, UTIL2
DSK	No Assign, KEY1 F, KEY1 S to KEY4 F, KEY4 S
Other	No Assign, DISP, VMEM F, VMEM S

Configure the [XPT ASSIGN1] to [XPT ASSIGN32] columns for each of the six VS-R45 units (AUX_IP1 to AUX_IP6). Configure the target AUX_IP1 to 6 in the AUX_IP column, and configure the material corresponding to the VS-R45 crosspoint buttons in the [XPT ASSIGN1] to [XPT ASSIGN32] column.

AV-HS7300 material	Assignable buses
Input 1-20	No Assign, SDI IN1 to SDI IN20
Input 21-40	No Assign, SDI IN21 to SDI IN40
Input 41-60	No Assign, SDI IN41 to SDI IN60
Input 61-72	No Assign, SDI IN61 to SDI IN72
Internal Source	No Assign, Still 1V, Still 1K to Still 4V, Still 4K, Clip 1V, Clip 1K to Clip 4V, Clip 4K, CBGD 1, CBGD 2, CBAR, Black
MEOut	No Assign, ME1PGM, ME1PVW, ME1CLN, ME1KEYPVW, ME2PGM, ME2PVW, ME2CLN, ME2KEYPVW, ME3PGM, ME3PVW, ME3CLN, ME3KEYPVW, ME4PGM, ME4PVW, ME4CLN, ME4KEYPVW, DSKPGM1, DSKPGM2, DSKPVW1, DSKPVW2, DSK1CLN to DSK4CLN, SEL_KEYPVW
MV	No Assign, MV1, MV2, MV3, MV4

External_Control (V3.XX)

<Overview>

This software is a plug-in for the AV-HS7300 series Live Switcher. It allows you to switch materials for all buses on the AV-HS7300 and transmit/receive material name information between system controllers, tally lamp interfaces, and other external devices connected to the network. You can also switch the SourceLink settings (Master/Slave) from external devices.

You transmit/receive tally information and Source ID information in a communication format compatible with TSL UMD Protocol V5.0.

<Setup>

Connect the external device to the LAN port on the rear panel of the AV-HS7300 using a LAN cable. A single plug-in can support up to 20 IP connection lines. If connecting to multiple external devices, connect the devices using a distribution hub. Configure the IP settings so that there is not overlap. Verify the network settings for the AV-HS7300 in the <SYSTEM> button → [SYSTEM] → [NetWork] tab. The default IP address and subnet mask are "192.168.0.5" and "255.255.255.0" respectively.

<Configuration>

1. Display the number menu to which the External_Control plug-in is registered.
 - Press the <PLUG IN> button in the top menu and select [PlugIn #-#] → [External_Control] tab.
2. Configure the External Control plug-in network.
 - Configure the receive port number of the AV-HS7300 in the [Switcher1] column. The default setting is 62000. The setting range is 62000 to 65535.
 - The command transmission interval is configured in [Transmission Interval] of the [Switcher2] column. The default setting is 16 ms. The setting range is 0 to 80 ms in 16 ms intervals.
3. Configure the IP address of the external device.

Specify the IP address of the external device to be connected in IP Address1-20 of the [AUX Panel1] to [AUX Panel10] columns.
4. Configure the receive port number of the external device in the [AUX Panel11] column.

The default setting is 65000. The setting range is 60000 to 65535.
5. Note on the DMSG-CONTROL parameters for TSL UMD Protocol V5.0 commands.

During RH tally output, TallyGroup1 settings are output.
 During TXT tally output, TallyGroup2 settings are output.
 During LH tally output, TallyGroup3 settings are output.
6. To change material names for the control panel, you must set the [Type] for each input source column to [User] in the <CONF> button → [SOURCE NAME] → [Panel Name] tab. Similarly, to change material names for the multi-view, you must set the [Type] for each input source column to [User] in the <CONF> button → [SOURCE NAME] → [MV Name] tab. You must set the [Type] for each input source column to [User] in the tab. Material name changing for individual input sources is not possible via external control. Changes will be applied to all materials set to [User]. Material name changing can also be performed on the HS7300 menu, but the information changed later will be applied.

<Command specifications>

Refer to the AV-HS7300 External Interface Communication Protocol Specifications (separate document).

EXT_PANEL_IP (V1.XX)

<Overview>

This software is a plug-in for the AV-HS7300 series Live Switcher. Allows you to perform the following operations for external panels* connected to the network.

- Source selections for each bus
- Video transitions
- Macro memory playback
- Shot memory playback

* Lawo LBP series panels are supported. For details on settings and operations for the LBP series, contact Lawo.

<Setup>

Connect the external device to the LAN port on the rear panel of the AV-HS73U2 using a LAN cable.

A single plug-in allows connection of up to 20 external panels. When connecting to multiple external panels, connect them via a hub. Configure the IP settings so that there is not overlap.

<Configuration>

Check the following settings for the AV-HS73U2 mainframe, and configure the settings for the connected external panel.

- Top menu → <SYS> button → [SYSTEM] → [Network] tab → [Network1] column
Specify the address in [IP Address] of this column as the IP address of the device to be controlled by the external panel.
- Top menu → <PLUG IN> button → [Plugin #-#] → [EXT_PANEL_IP] tab → [Port No] column
Specify the port number in [Port No] of this column as the port number of the device to be controlled by the external panel.

In addition, configure the subnet mask and default gateway according to your network environment.

* For details on configuring the above settings on LBP series panels, contact Lawo.

<Plug-in menu screen>

Press the <PLUG IN> button in the top menu, and open [Plugin #-#] → [EXT_PANEL_IP] tab.

- 1) [Info] column → [Target]
Displays the target device for control. "AV-HS7300" for this plug-in software.
- 2) [Port No]
Specifies the receive port number used by the plug-in software.
Setting range: 62000 to 65535
Default value: 62010
- 3) [SMEM Recall]
Selects CBGD or XPT as the playback target when performing shot memory playback via the external panel. To select ME#, DSK, or AUX, do so via the <MEM> button in the top menu → [SHOT MEMORY] → [Register] tab.

<Bus IDs and source IDs>

When operations are performed on the external panel, crosspoint set commands that specify sources for buses (destinations) are issued. When the plug-in software receives a crosspoint set command from the external panel, it performs source selection and video transitions according to the bus and source pair specified in the command.

This section describes the ID numbers used by the plug-in software to identify each bus and source. The two general types of ID are as follows.

1) Normal bus IDs and source IDs

These are used to specify the switcher's internal buses (ME1PGM, AUX1, etc.) and the switcher's sources (SDI IN1, CBGD1, STILL1-V, etc.).
The number range for these IDs is 1 to 512.

2) Extended bus IDs and source IDs

These are used for video transitions and macro memory / shot memory playback. When the plug-in software receives a crosspoint set command in which the same extended ID is specified for a bus and source, the software executes the corresponding function. For example, if a command specifying ME1 AUTO source (ID: 522) for the ME1 AUTO bus (ID: 522) is received, AUTO transition is executed on ME1.
The number range for these IDs is 513 to 1023.

Executable function	Specified bus and material
ME key transition	ME1 KEY1 TRNS to ME4 KEY4 TRNS
ME key transition (CUT)	ME1 KEY1 CUT to ME4 KEY4 CUT
ME AUTO transition	ME1 AUTO to ME4 AUTO
ME CUT transition	ME1 CUT to ME4 CUT
DSK transition	DSK1 TRNS to DSK4 TRNS
DSK transition (CUT)	DSK1 CUT to DSK4 CUT
USK ON/OFF	USK1 ON to USK4 ON
Playing back macro register memory	MACROPLAY1-1 to MACROPLAY9-9
Playing back register memory of the shot memory	SHOTPLAY1-1 to SHOTPLAY9-9

For details on assigning IDs to LBP Series button operations, contact Lawo.

Bus IDs (1)

—: Unused ID

ID	Buses	ID	Buses	ID	Buses	ID	Buses
1	ME1PGM	33	ME3KEY4-F	65	-	97	DSK1-F
2	ME1PVW	34	ME3KEY4-S	66	-	98	DSK1-S
3	ME1KEY1-F	35	ME3UTIL1	67	-	99	DSK2-F
4	ME1KEY1-S	36	ME3UTIL2	68	-	100	DSK2-S
5	ME1KEY2-F	37	ME4PGM	69	-	101	DSK3-F
6	ME1KEY2-S	38	ME4PVW	70	-	102	DSK3-S
7	ME1KEY3-F	39	ME4KEY1-F	71	-	103	DSK4-F
8	ME1KEY3-S	40	ME4KEY1-S	72	-	104	DSK4-S
9	ME1KEY4-F	41	ME4KEY2-F	73	-	105	-
10	ME1KEY4-S	42	ME4KEY2-S	74	-	106	-
11	ME1UTIL1	43	ME4KEY3-F	75	-	107	-
12	ME1UTIL2	44	ME4KEY3-S	76	-	108	-
13	ME2PGM	45	ME4KEY4-F	77	-	109	-
14	ME2PVW	46	ME4KEY4-S	78	-	110	-
15	ME2KEY1-F	47	ME4UTIL1	79	-	111	-
16	ME2KEY1-S	48	ME4UTIL2	80	-	112	-
17	ME2KEY2-F	49	-	81	-	113	AUX1
18	ME2KEY2-S	50	-	82	-	114	AUX2
19	ME2KEY3-F	51	-	83	-	115	AUX3
20	ME2KEY3-S	52	-	84	-	116	AUX4
21	ME2KEY4-F	53	-	85	-	117	AUX5
22	ME2KEY4-S	54	-	86	-	118	AUX6
23	ME2UTIL1	55	-	87	-	119	AUX7
24	ME2UTIL2	56	-	88	-	120	AUX8
25	ME3PGM	57	-	89	-	121	AUX9
26	ME3PVW	58	-	90	-	122	AUX10
27	ME3KEY1-F	59	-	91	-	123	AUX11
28	ME3KEY1-S	60	-	92	-	124	AUX12
29	ME3KEY2-F	61	-	93	-	125	AUX13
30	ME3KEY2-S	62	-	94	-	126	AUX14
31	ME3KEY3-F	63	-	95	-	127	AUX15
32	ME3KEY3-S	64	-	96	-	128	AUX16

Bus IDs (2)

—: Unused ID

ID	Buses	ID	Buses	ID	Buses	ID	Buses
129	AUX17	161	MV1-9	193	MV3-9	225	-
130	AUX18	162	MV1-10	194	MV3-10	226	-
131	AUX19	163	MV1-11	195	MV3-11	227	-
132	AUX20	164	MV1-12	196	MV3-12	228	-
133	AUX21	165	MV1-13	197	MV3-13	229	-
134	AUX22	166	MV1-14	198	MV3-14	230	-
135	AUX23	167	MV1-15	199	MV3-15	231	-
136	AUX24	168	MV1-16	200	MV3-16	232	-
137	-	169	MV2-1	201	MV4-1	233	-
138	-	170	MV2-2	202	MV4-2	234	-
139	-	171	MV2-3	203	MV4-3	235	-
140	-	172	MV2-4	204	MV4-4	236	-
141	DISP	173	MV2-5	205	MV4-5	237	-
142	USK1-F	174	MV2-6	206	MV4-6	238	-
143	USK1-S	175	MV2-7	207	MV4-7	239	-
144	USK2-F	176	MV2-8	208	MV4-8	240	-
145	USK2-S	177	MV2-9	209	MV4-9	241	-
146	USK3-F	178	MV2-10	210	MV4-10	242	-
147	USK3-S	179	MV2-11	211	MV4-11	243	-
148	USK4-F	180	MV2-12	212	MV4-12	244	-
149	USK4-S	181	MV2-13	213	MV4-13	245	-
150	VMEM-F	182	MV2-14	214	MV4-14	246	-
151	VMEM-K	183	MV2-15	215	MV4-15	247	-
152	-	184	MV2-16	216	MV4-16	248	-
153	MV1-1	185	MV3-1	217	-	249	-
154	MV1-2	186	MV3-2	218	-	250	-
155	MV1-3	187	MV3-3	219	-	251	-
156	MV1-4	188	MV3-4	220	-	252	-
157	MV1-5	189	MV3-5	221	-	253	-
158	MV1-6	190	MV3-6	222	-	254	-
159	MV1-7	191	MV3-7	223	-	...	-
160	MV1-8	192	MV3-8	224	-	512	-

Source IDs (1)

—: Unused ID

ID	Sources	ID	Sources	ID	Sources	ID	Sources
1	SDI IN1	33	SDI IN33	65	SDI IN65	97	-
2	SDI IN2	34	SDI IN34	66	SDI IN66	98	-
3	SDI IN3	35	SDI IN35	67	SDI IN67	99	-
4	SDI IN4	36	SDI IN36	68	SDI IN68	100	-
5	SDI IN5	37	SDI IN37	69	SDI IN69	101	-
6	SDI IN6	38	SDI IN38	70	SDI IN70	102	-
7	SDI IN7	39	SDI IN39	71	SDI IN71	103	-
8	SDI IN8	40	SDI IN40	72	SDI IN72	104	-
9	SDI IN9	41	SDI IN41	73	-	105	-
10	SDI IN10	42	SDI IN42	74	-	106	-
11	SDI IN11	43	SDI IN43	75	-	107	-
12	SDI IN12	44	SDI IN44	76	-	108	-
13	SDI IN13	45	SDI IN45	77	-	109	-
14	SDI IN14	46	SDI IN46	78	-	110	-
15	SDI IN15	47	SDI IN47	79	-	111	-
16	SDI IN16	48	SDI IN48	80	-	112	-
17	SDI IN17	49	SDI IN49	81	-	113	-
18	SDI IN18	50	SDI IN50	82	-	114	-
19	SDI IN19	51	SDI IN51	83	-	115	-
20	SDI IN20	52	SDI IN52	84	-	116	-
21	SDI IN21	53	SDI IN53	85	-	117	-
22	SDI IN22	54	SDI IN54	86	-	118	-
23	SDI IN23	55	SDI IN55	87	-	119	-
24	SDI IN24	56	SDI IN56	88	-	120	-
25	SDI IN25	57	SDI IN57	89	-	121	-
26	SDI IN26	58	SDI IN58	90	-	122	-
27	SDI IN27	59	SDI IN59	91	-	123	-
28	SDI IN28	60	SDI IN60	92	-	124	-
29	SDI IN29	61	SDI IN61	93	-	125	-
30	SDI IN30	62	SDI IN62	94	-	126	-
31	SDI IN31	63	SDI IN63	95	-	127	-
32	SDI IN32	64	SDI IN64	96	-	128	-

Source IDs (2)

—: Unused ID

ID	Sources	ID	Sources	ID	Sources	ID	Sources
129	-	161	CLIP3-V	193	-	225	SEL-KEYPVW
130	-	162	CLIP3-K	194	-	226	-
131	-	163	CLIP4-V	195	-	227	AUX1
132	-	164	CLIP4-K	196	-	228	AUX2
133	-	165	MV1	197	-	229	AUX3
134	-	166	MV2	198	-	230	AUX4
135	-	167	MV3	199	-	231	AUX5
136	-	168	MV4	200	-	232	AUX6
137	-	169	ME1PGM	201	DSK-PGM1	233	AUX7
138	-	170	ME1PVW	202	DSK-PGM2	234	AUX8
139	-	171	ME1CLN	203	DSK-PVW1	235	AUX9
140	-	172	ME1KEYPVW	204	DSK-PVW2	236	AUX10
141	-	173	ME2PGM	205	-	237	AUX11
142	-	174	ME2PVW	206	-	238	AUX12
143	-	175	ME2CLN	207	-	239	AUX13
144	-	176	ME2KEYPVW	208	-	240	AUX14
145	CBGD1	177	ME3PGM	209	DSK1CLN	241	AUX15
146	CBGD2	178	ME3PVW	210	DSK2CLN	242	AUX16
147	CBAR	179	ME3CLN	211	DSK3CLN	243	AUX17
148	BLACK	180	ME3KEYPVW	212	DSK4CLN	244	AUX18
149	STILL1-V	181	ME4PGM	213	-	245	AUX19
150	STILL1-K	182	ME4PVW	214	-	246	AUX20
151	STILL2-V	183	ME4CLN	215	-	247	AUX21
152	STILL2-K	184	ME4KEYPVW	216	-	248	AUX22
153	STILL3-V	185	-	217	-	249	AUX23
154	STILL3-K	186	-	218	-	250	AUX24
155	STILL4-V	187	-	219	-	251	CLOCK
156	STILL4-K	188	-	220	-	252	-
157	CLIP1-V	189	-	221	-	253	-
158	CLIP1-K	190	-	222	-	254	-
159	CLIP2-V	191	-	223	-	...	-
160	CLIP2-K	192	-	224	-	512	-

Extended bus IDs (1)

—: Unused ID

ID	Buses	ID	Buses	ID	Buses	ID	Buses
513	-	545	ME4 KEY2 TRNS	577	-	609	USK4 ON
514	ME1 KEY1 TRNS	546	ME4 KEY3 TRNS	578	-	610	MACROPLAY1-1
515	ME1 KEY2 TRNS	547	ME4 KEY4 TRNS	579	-	611	MACROPLAY1-2
516	ME1 KEY3 TRNS	548	ME4 KEY1 CUT	580	-	612	MACROPLAY1-3
517	ME1 KEY4 TRNS	549	ME4 KEY2 CUT	581	-	613	MACROPLAY1-4
518	ME1 KEY1 CUT	550	ME4 KEY3 CUT	582	-	614	MACROPLAY1-5
519	ME1 KEY2 CUT	551	ME4 KEY4 CUT	583	-	615	MACROPLAY1-6
520	ME1 KEY3 CUT	552	ME4 AUTO	584	-	616	MACROPLAY1-7
521	ME1 KEY4 CUT	553	ME4 CUT	585	-	617	MACROPLAY1-8
522	ME1 AUTO	554	-	586	-	618	MACROPLAY1-9
523	ME1 CUT	555	-	587	-	619	MACROPLAY2-1
524	ME2 KEY1 TRNS	556	-	588	-	620	MACROPLAY2-2
525	ME2 KEY2 TRNS	557	-	589	-	621	MACROPLAY2-3
526	ME2 KEY3 TRNS	558	-	590	-	622	MACROPLAY2-4
527	ME2 KEY4 TRNS	559	-	591	-	623	MACROPLAY2-5
528	ME2 KEY1 CUT	560	-	592	-	624	MACROPLAY2-6
529	ME2 KEY2 CUT	561	-	593	-	625	MACROPLAY2-7
530	ME2 KEY3 CUT	562	-	594	DSK1 TRNS	626	MACROPLAY2-8
531	ME2 KEY4 CUT	563	-	595	DSK2 TRNS	627	MACROPLAY2-9
532	ME2 AUTO	564	-	596	DSK3 TRNS	628	MACROPLAY3-1
533	ME2 CUT	565	-	597	DSK4 TRNS	629	MACROPLAY3-2
534	ME3 KEY1 TRNS	566	-	598	DSK1 CUT	630	MACROPLAY3-3
535	ME3 KEY2 TRNS	567	-	599	DSK2 CUT	631	MACROPLAY3-4
536	ME3 KEY3 TRNS	568	-	600	DSK3 CUT	632	MACROPLAY3-5
537	ME3 KEY4 TRNS	569	-	601	DSK4 CUT	633	MACROPLAY3-6
538	ME3 KEY1 CUT	570	-	602	-	634	MACROPLAY3-7
539	ME3 KEY2 CUT	571	-	603	-	635	MACROPLAY3-8
540	ME3 KEY3 CUT	572	-	604	-	636	MACROPLAY3-9
541	ME3 KEY4 CUT	573	-	605	-	637	MACROPLAY4-1
542	ME3 AUTO	574	-	606	USK1 ON	638	MACROPLAY4-2
543	ME3 CUT	575	-	607	USK2 ON	639	MACROPLAY4-3
544	ME4 KEY1 TRNS	576	-	608	USK3 ON	640	MACROPLAY4-4

Extended bus IDs (2)

—: Unused ID

ID	Buses	ID	Buses	ID	Buses	ID	Buses
641	MACROPLAY4-5	673	MACROPLAY8-1	705	SHOTPLAY2-6	737	SHOTPLAY6-2
642	MACROPLAY4-6	674	MACROPLAY8-2	706	SHOTPLAY2-7	738	SHOTPLAY6-3
643	MACROPLAY4-7	675	MACROPLAY8-3	707	SHOTPLAY2-8	739	SHOTPLAY6-4
644	MACROPLAY4-8	676	MACROPLAY8-4	708	SHOTPLAY2-9	740	SHOTPLAY6-5
645	MACROPLAY4-9	677	MACROPLAY8-5	709	SHOTPLAY3-1	741	SHOTPLAY6-6
646	MACROPLAY5-1	678	MACROPLAY8-6	710	SHOTPLAY3-2	742	SHOTPLAY6-7
647	MACROPLAY5-2	679	MACROPLAY8-7	711	SHOTPLAY3-3	743	SHOTPLAY6-8
648	MACROPLAY5-3	680	MACROPLAY8-8	712	SHOTPLAY3-4	744	SHOTPLAY6-9
649	MACROPLAY5-4	681	MACROPLAY8-9	713	SHOTPLAY3-5	745	SHOTPLAY7-1
650	MACROPLAY5-5	682	MACROPLAY9-1	714	SHOTPLAY3-6	746	SHOTPLAY7-2
651	MACROPLAY5-6	683	MACROPLAY9-2	715	SHOTPLAY3-7	747	SHOTPLAY7-3
652	MACROPLAY5-7	684	MACROPLAY9-3	716	SHOTPLAY3-8	748	SHOTPLAY7-4
653	MACROPLAY5-8	685	MACROPLAY9-4	717	SHOTPLAY3-9	749	SHOTPLAY7-5
654	MACROPLAY5-9	686	MACROPLAY9-5	718	SHOTPLAY4-1	750	SHOTPLAY7-6
655	MACROPLAY6-1	687	MACROPLAY9-6	719	SHOTPLAY4-2	751	SHOTPLAY7-7
656	MACROPLAY6-2	688	MACROPLAY9-7	720	SHOTPLAY4-3	752	SHOTPLAY7-8
657	MACROPLAY6-3	689	MACROPLAY9-8	721	SHOTPLAY4-4	753	SHOTPLAY7-9
658	MACROPLAY6-4	690	MACROPLAY9-9	722	SHOTPLAY4-5	754	SHOTPLAY8-1
659	MACROPLAY6-5	691	SHOTPLAY1-1	723	SHOTPLAY4-6	755	SHOTPLAY8-2
660	MACROPLAY6-6	692	SHOTPLAY1-2	724	SHOTPLAY4-7	756	SHOTPLAY8-3
661	MACROPLAY6-7	693	SHOTPLAY1-3	725	SHOTPLAY4-8	757	SHOTPLAY8-4
662	MACROPLAY6-8	694	SHOTPLAY1-4	726	SHOTPLAY4-9	758	SHOTPLAY8-5
663	MACROPLAY6-9	695	SHOTPLAY1-5	727	SHOTPLAY5-1	759	SHOTPLAY8-6
664	MACROPLAY7-1	696	SHOTPLAY1-6	728	SHOTPLAY5-2	760	SHOTPLAY8-7
665	MACROPLAY7-2	697	SHOTPLAY1-7	729	SHOTPLAY5-3	761	SHOTPLAY8-8
666	MACROPLAY7-3	698	SHOTPLAY1-8	730	SHOTPLAY5-4	762	SHOTPLAY8-9
667	MACROPLAY7-4	699	SHOTPLAY1-9	731	SHOTPLAY5-5	763	SHOTPLAY9-1
668	MACROPLAY7-5	700	SHOTPLAY2-1	732	SHOTPLAY5-6	764	SHOTPLAY9-2
669	MACROPLAY7-6	701	SHOTPLAY2-2	733	SHOTPLAY5-7	765	SHOTPLAY9-3
670	MACROPLAY7-7	702	SHOTPLAY2-3	734	SHOTPLAY5-8	766	SHOTPLAY9-4
671	MACROPLAY7-8	703	SHOTPLAY2-4	735	SHOTPLAY5-9	767	SHOTPLAY9-5
672	MACROPLAY7-9	704	SHOTPLAY2-5	736	SHOTPLAY6-1	768	SHOTPLAY9-6

Extended bus IDs (3)

—: Unused ID

ID	Buses	ID	Buses	ID	Buses	ID	Buses
769	SHOTPLAY9-7	801	-	833	-	865	-
770	SHOTPLAY9-8	802	-	834	-	866	-
771	SHOTPLAY9-9	803	-	835	-	867	-
772	-	804	-	836	-	868	-
773	-	805	-	837	-	869	-
774	-	806	-	838	-	870	-
775	-	807	-	839	-	871	-
776	-	808	-	840	-	872	-
777	-	809	-	841	-	873	-
778	-	810	-	842	-	874	-
779	-	811	-	843	-	875	-
780	-	812	-	844	-	876	-
781	-	813	-	845	-	877	-
782	-	814	-	846	-	878	-
783	-	815	-	847	-	879	-
784	-	816	-	848	-	880	-
785	-	817	-	849	-	881	-
786	-	818	-	850	-	882	-
787	-	819	-	851	-	883	-
788	-	820	-	852	-	884	-
789	-	821	-	853	-	885	-
790	-	822	-	854	-	886	-
791	-	823	-	855	-	887	-
792	-	824	-	856	-	888	-
793	-	825	-	857	-	889	-
794	-	826	-	858	-	890	-
795	-	827	-	859	-	891	-
796	-	828	-	860	-	892	-
797	-	829	-	861	-	893	-
798	-	830	-	862	-	...	-
799	-	831	-	863	-	1023	-
800	-	832	-	864	-		-

Extended source IDs (1)

—: Unused ID

ID	Sources	ID	Sources	ID	Sources	ID	Sources
513	No Assign	545	ME4 KEY2 TRNS	577	-	609	USK4 ON
514	ME1 KEY1 TRNS	546	ME4 KEY3 TRNS	578	-	610	MACROPLAY1-1
515	ME1 KEY2 TRNS	547	ME4 KEY4 TRNS	579	-	611	MACROPLAY1-2
516	ME1 KEY3 TRNS	548	ME4 KEY1 CUT	580	-	612	MACROPLAY1-3
517	ME1 KEY4 TRNS	549	ME4 KEY2 CUT	581	-	613	MACROPLAY1-4
518	ME1 KEY1 CUT	550	ME4 KEY3 CUT	582	-	614	MACROPLAY1-5
519	ME1 KEY2 CUT	551	ME4 KEY4 CUT	583	-	615	MACROPLAY1-6
520	ME1 KEY3 CUT	552	ME4 AUTO	584	-	616	MACROPLAY1-7
521	ME1 KEY4 CUT	553	ME4 CUT	585	-	617	MACROPLAY1-8
522	ME1 AUTO	554	-	586	-	618	MACROPLAY1-9
523	ME1 CUT	555	-	587	-	619	MACROPLAY2-1
524	ME2 KEY1 TRNS	556	-	588	-	620	MACROPLAY2-2
525	ME2 KEY2 TRNS	557	-	589	-	621	MACROPLAY2-3
526	ME2 KEY3 TRNS	558	-	590	-	622	MACROPLAY2-4
527	ME2 KEY4 TRNS	559	-	591	-	623	MACROPLAY2-5
528	ME2 KEY1 CUT	560	-	592	-	624	MACROPLAY2-6
529	ME2 KEY2 CUT	561	-	593	-	625	MACROPLAY2-7
530	ME2 KEY3 CUT	562	-	594	DSK1 TRNS	626	MACROPLAY2-8
531	ME2 KEY4 CUT	563	-	595	DSK2 TRNS	627	MACROPLAY2-9
532	ME2 AUTO	564	-	596	DSK3 TRNS	628	MACROPLAY3-1
533	ME2 CUT	565	-	597	DSK4 TRNS	629	MACROPLAY3-2
534	ME3 KEY1 TRNS	566	-	598	DSK1 CUT	630	MACROPLAY3-3
535	ME3 KEY2 TRNS	567	-	599	DSK2 CUT	631	MACROPLAY3-4
536	ME3 KEY3 TRNS	568	-	600	DSK3 CUT	632	MACROPLAY3-5
537	ME3 KEY4 TRNS	569	-	601	DSK4 CUT	633	MACROPLAY3-6
538	ME3 KEY1 CUT	570	-	602	-	634	MACROPLAY3-7
539	ME3 KEY2 CUT	571	-	603	-	635	MACROPLAY3-8
540	ME3 KEY3 CUT	572	-	604	-	636	MACROPLAY3-9
541	ME3 KEY4 CUT	573	-	605	-	637	MACROPLAY4-1
542	ME3 AUTO	574	-	606	USK1 ON	638	MACROPLAY4-2
543	ME3 CUT	575	-	607	USK2 ON	639	MACROPLAY4-3
544	ME4 KEY1 TRNS	576	-	608	USK3 ON	640	MACROPLAY4-4

Extended source IDs (2)

—: Unused ID

ID	Sources	ID	Sources	ID	Sources	ID	Sources
641	MACROPLAY4-5	673	MACROPLAY8-1	705	SHOTPLAY2-6	737	SHOTPLAY6-2
642	MACROPLAY4-6	674	MACROPLAY8-2	706	SHOTPLAY2-7	738	SHOTPLAY6-3
643	MACROPLAY4-7	675	MACROPLAY8-3	707	SHOTPLAY2-8	739	SHOTPLAY6-4
644	MACROPLAY4-8	676	MACROPLAY8-4	708	SHOTPLAY2-9	740	SHOTPLAY6-5
645	MACROPLAY4-9	677	MACROPLAY8-5	709	SHOTPLAY3-1	741	SHOTPLAY6-6
646	MACROPLAY5-1	678	MACROPLAY8-6	710	SHOTPLAY3-2	742	SHOTPLAY6-7
647	MACROPLAY5-2	679	MACROPLAY8-7	711	SHOTPLAY3-3	743	SHOTPLAY6-8
648	MACROPLAY5-3	680	MACROPLAY8-8	712	SHOTPLAY3-4	744	SHOTPLAY6-9
649	MACROPLAY5-4	681	MACROPLAY8-9	713	SHOTPLAY3-5	745	SHOTPLAY7-1
650	MACROPLAY5-5	682	MACROPLAY9-1	714	SHOTPLAY3-6	746	SHOTPLAY7-2
651	MACROPLAY5-6	683	MACROPLAY9-2	715	SHOTPLAY3-7	747	SHOTPLAY7-3
652	MACROPLAY5-7	684	MACROPLAY9-3	716	SHOTPLAY3-8	748	SHOTPLAY7-4
653	MACROPLAY5-8	685	MACROPLAY9-4	717	SHOTPLAY3-9	749	SHOTPLAY7-5
654	MACROPLAY5-9	686	MACROPLAY9-5	718	SHOTPLAY4-1	750	SHOTPLAY7-6
655	MACROPLAY6-1	687	MACROPLAY9-6	719	SHOTPLAY4-2	751	SHOTPLAY7-7
656	MACROPLAY6-2	688	MACROPLAY9-7	720	SHOTPLAY4-3	752	SHOTPLAY7-8
657	MACROPLAY6-3	689	MACROPLAY9-8	721	SHOTPLAY4-4	753	SHOTPLAY7-9
658	MACROPLAY6-4	690	MACROPLAY9-9	722	SHOTPLAY4-5	754	SHOTPLAY8-1
659	MACROPLAY6-5	691	SHOTPLAY1-1	723	SHOTPLAY4-6	755	SHOTPLAY8-2
660	MACROPLAY6-6	692	SHOTPLAY1-2	724	SHOTPLAY4-7	756	SHOTPLAY8-3
661	MACROPLAY6-7	693	SHOTPLAY1-3	725	SHOTPLAY4-8	757	SHOTPLAY8-4
662	MACROPLAY6-8	694	SHOTPLAY1-4	726	SHOTPLAY4-9	758	SHOTPLAY8-5
663	MACROPLAY6-9	695	SHOTPLAY1-5	727	SHOTPLAY5-1	759	SHOTPLAY8-6
664	MACROPLAY7-1	696	SHOTPLAY1-6	728	SHOTPLAY5-2	760	SHOTPLAY8-7
665	MACROPLAY7-2	697	SHOTPLAY1-7	729	SHOTPLAY5-3	761	SHOTPLAY8-8
666	MACROPLAY7-3	698	SHOTPLAY1-8	730	SHOTPLAY5-4	762	SHOTPLAY8-9
667	MACROPLAY7-4	699	SHOTPLAY1-9	731	SHOTPLAY5-5	763	SHOTPLAY9-1
668	MACROPLAY7-5	700	SHOTPLAY2-1	732	SHOTPLAY5-6	764	SHOTPLAY9-2
669	MACROPLAY7-6	701	SHOTPLAY2-2	733	SHOTPLAY5-7	765	SHOTPLAY9-3
670	MACROPLAY7-7	702	SHOTPLAY2-3	734	SHOTPLAY5-8	766	SHOTPLAY9-4
671	MACROPLAY7-8	703	SHOTPLAY2-4	735	SHOTPLAY5-9	767	SHOTPLAY9-5
672	MACROPLAY7-9	704	SHOTPLAY2-5	736	SHOTPLAY6-1	768	SHOTPLAY9-6

Extended source IDs (3)

—: Unused ID

ID	Sources	ID	Sources	ID	Sources	ID	Sources
769	SHOTPLAY9-7	801	-	833	-	865	-
770	SHOTPLAY9-8	802	-	834	-	866	-
771	SHOTPLAY9-9	803	-	835	-	867	-
772	-	804	-	836	-	868	-
773	-	805	-	837	-	869	-
774	-	806	-	838	-	870	-
775	-	807	-	839	-	871	-
776	-	808	-	840	-	872	-
777	-	809	-	841	-	873	-
778	-	810	-	842	-	874	-
779	-	811	-	843	-	875	-
780	-	812	-	844	-	876	-
781	-	813	-	845	-	877	-
782	-	814	-	846	-	878	-
783	-	815	-	847	-	879	-
784	-	816	-	848	-	880	-
785	-	817	-	849	-	881	-
786	-	818	-	850	-	882	-
787	-	819	-	851	-	883	-
788	-	820	-	852	-	884	-
789	-	821	-	853	-	885	-
790	-	822	-	854	-	886	-
791	-	823	-	855	-	887	-
792	-	824	-	856	-	888	-
793	-	825	-	857	-	889	-
794	-	826	-	858	-	890	-
795	-	827	-	859	-	891	-
796	-	828	-	860	-	892	-
797	-	829	-	861	-	893	-
798	-	830	-	862	-	...	-
799	-	831	-	863	-	1023	-
800	-	832	-	864	-		-