

Installation Instructions

ADO[®] Digital Special Effects System

Signal System Version 8 Software Kit

Catalog No. 1809762-02

Issued: November 1986

AMPEX

Prepared by

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Catalog No. 1809762-02
Issued: November 1986

*Installed 6 Feb 87
JWD*

Catalog No. 1809762-02
Issued: November 1986

ADO

AMPEX DIGITAL OPTICS

SIGNAL SYSTEM VERSION 8
SOFTWARE KIT INSTALLATION

INSTRUCTIONS

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INSTALLATION INSTRUCTIONS

ADO SIGNAL SYSTEM

VERSION 8 SOFTWARE KIT

1 INTRODUCTION

These instructions are part of the *ADO Version 8 Basic Size Software Kit*, Ampex Part No. 1465790 and the *ADO Version 8 Perspective with Rotation Software Kit*, Ampex Part No. 1465792, and provide information necessary to install Version 8 software in the ADO signal system. Lists of Materials No. 1465790 and No. 1465792 are included for reference.

Note

The signal system must first be fitted with Version 8 hardware.

2 INSTALLATION

To install Version 8.1 signal system software, proceed as follows:

CAUTION

ALWAYS TURN OFF SYSTEM POWER BEFORE REMOVING OR REINSERTING PWAS.

- ✓ STEP 1 Remove the High Level Controller PWA from the signal system chassis.
- ✓ STEP 2 Remove existing software PROMs from locations 7A, 8A, 15A, and 16A.
- ✓ STEP 3 Carefully install the new HLC software PROMs according to Table 1.
- ✓ STEP 4 Reinstall the High Level Controller PWA.
- ✓ STEP 5 Remove the Low Level Controller PWA from the chassis.
- ✓ STEP 6 Remove existing software PROMs from locations 10C/S, 10D/P, 10F/N, 10G/L, 11C/S, 11D/P, 11F/N, and 11G/L.
- ✓ STEP 7 Carefully install the new LLC software PROMs according to Table 1.
- ✓ STEP 8 Reinstall the Low Level Controller PWA.
- ✓ STEP 9 Cut the 8.1 version number label from the VERSION/OPTIONS label 1464354, and attach it to the SOFTWARE/OPTIONS label on the rear of the signal system chassis.

Table 1

Item	PROM/Location	Qty	Ampex P/N (Basic/Perspective)
✓1	PROM, 2532, LLC location 10C/S	2	1505660-AA/1505662-AA ✓
✓2	PROM, 2532, LLC location 10D/P	2	1505660-AB/1505662-AB ✓
✓3	PROM, 2532, LLC location 10F/N	2	1505660-AC/1505662-AC ✓
✓4	PROM, 2532, LLC location 10G/L	2	1505660-AD/1505662-AD ✓
✓5	PROM, 2532, LLC location 11C/S	2	1505660-AE/1505662-AE ✓
✓6	PROM, 2532, LLC location 11D/P	2	1505660-AF/1505662-AF ✓
✓7	PROM, 2532, LLC location 11F/N	2	1505660-AG/1505662-AG ✓
✓8	PROM, 2532, LLC location 11G/L	2	1505660-AH/1505662-AH ✓
✓9	PROM, 2532, HLC location 7A	1	(for Basic/Persp) 1472300-AA ✓
✓10	PROM, 2532, HLC location 8A	1	(for Basic/Persp) 1472300-AB ✓
✓11	PROM, 2532, HLC location 15A	1	(for Basic/Persp) 1472300-AC ✓
✓12	PROM, 2532, HLC location 16A	1	(for Basic/Persp) 1472300-AD ✓

3 DIP Switch Settings on the High Level Controller PWA

- ✓ STEP 1 Remove the High Level Controller PWA and set DIP switches according to Table 2.

Table 2

DIP Switch/Section	Explanation/Function
S1/1	For future use.
S1/2	For future use.
S1/3	Rotation option installed ON No rotation option OFF
S1/4	Perspective option installed ON No perspective option OFF
S1/5	For future use.
S1/6	For future use.
S1/7	Digi-matte option installed ON No Digi-matte OFF
S1/8	Input video processor installed ON No input video processor OFF
S2/1	Motion detection present (ADO 2000/3000) ON No motion detection (ADO 1000) OFF
S2/2	For future use.

Table 2 (Continued)

DIP Switch/Section	Explanation/Function
S2/3	Version 5 key processors installed ON Pre-Version 5 key processors installed OFF
S2/4	No channel identification ON Channel identification present OFF
S2/5	No auto-release ON Auto-release present OFF
S2/6	525-line standard ON 625-line standard OFF
S2/7	Concentrator not installed ON Concentrator installed OFF
S2/8	No auto H-phase ON Auto H-phase OFF
Note	
For systems with auto H-phase: auto H-phase must be disabled when a concentrator is used (S2/8 ON). Without a concentrator, auto H-phase can be on or off, as user desires.	

✓ STEP 2 Reinstall the High Level Controller PWA.

LM 1465790. Version 8 Basic Size Software Kit

ITEM NO.	PART NUMBER	DESCRIPTION	REF DESIG	QTY REQD PER DASH NUMBER																
				-02																
1	1472300-AA	PROM ASSY, HLC, 589-902 2532 7A		1																
2	1472300-AB	PROM ASSY, HLC, 589-902 2532 8A		1																
3	1472300-AC	PROM ASSY, HLC, 589-902 2532 15A		1																
4	1472300-AD	PROM ASSY, HLC, 589-902 2532 16A		1																
5																				
6																				
7	1505660-AA	PROM ASSY, LLC, 589-902 2532 10C,S		2																
8	1505660-AB	↑ ↑ ↑ 10D,P		2																
9	1505660-AC	↑ ↑ ↑ 10F,N		2																
10	1505660-AD	↑ ↑ ↑ 10G,L		2																
11	1505660-AE	↑ ↑ ↑ 11C,S		2																
12	1505660-AF	↑ ↑ ↑ 11D,P		2																
13	1505660-AG	↓ ↓ ↓ 11F,N		2																
14	1505660-AH	PROM ASSY, LLC, 589-902 2532 11G,L		2																
15																				
16																				
17	1472394	VERSION 8.1 SIGNAL SYSTEM SOFTWARE INSTALL. INSTRUCTIONS	REF																	
18	1809762	VERSION 8 SIGNAL SYSTEM SOFTWARE KIT INSTALL. INSTRUCTIONS		1																

LM 1465792. Version 8 Perspective with Rotation Software Kit

ITEM NO.	PART NUMBER	DESCRIPTION	REF DESIG	QTY REQD PER DASH NUMBER																
				-02																
1	1472300-AA	PROM ASSY, HLC, 589-902 2532 7A	1																	
2	1472300-AB	PROM ASSY, HLC, 589-902 2532 8A	1																	
3	1472300-AC	PROM ASSY, HLC, 589-902 2532 15A	1																	
4	1472300-AD	PROM ASSY, HLC, 589-902 2532 16A	1																	
5																				
6																				
7	1505662-AA	PROM ASSY, LLC, 589-902 2532 10C,S	2																	
8	1505662-AB	↑ ↑ ↑ 10D,P	2																	
9	1505662-AC	↑ ↑ ↑ 10F,N	2																	
10	1505662-AD	↑ ↑ ↑ 10G,L	2																	
11	1505662-AE	↑ ↑ ↑ 11C,S	2																	
12	1505662-AF	↑ ↑ ↑ 11D,P	2																	
13	1505662-AG	↓ ↓ ↓ 11F,N	2																	
14	1505662-AH	PROM ASSY, LLC, 589-902 2532 11G,L	2																	
15																				
16	1472394	VERSION 8.1 SIGNAL SYSTEM SOFTWARE INSTALL. INSTRUCTIONS	REF																	
17	1809762	VERSION 8 SIGNAL SYSTEM SOFTWARE KIT INSTALL. INSTRUCTIONS	1																	





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Printed in USA

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ADO SIGNAL SYSTEM

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1 INTRODUCTION

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Note

The signal system must first be fitted with Version 8 hardware.

2 INSTALLATION

To install Version 8.1 signal system software, proceed as follows:

CAUTION

ALWAYS TURN OFF SYSTEM POWER BEFORE REMOVING OR REINSERTING PWAS.

- STEP 1** Remove the High Level Controller PWA from the signal system chassis.
- STEP 2** Remove existing software PROMs from locations 7A, 8A, 15A, and 16A.
- STEP 3** Carefully install the new HLC software PROMs according to Table 1.
- STEP 4** Reinstall the High Level Controller PWA.
- STEP 5** Remove the Low Level Controller PWA from the chassis.
- STEP 6** Remove existing software PROMs from locations 10C/S, 10D/P, 10F/N, 10G/L, 11C/S, 11D/P, 11F/N, and 11G/L.
- STEP 7** Carefully install the new LLC software PROMs according to Table 1.
- STEP 8** Reinstall the Low Level Controller PWA.
- STEP 9** Cut the 8.1 version number label from the VERSION/OPTIONS label 1464354, and attach it to the SOFTWARE/OPTIONS label on the rear of the signal system chassis.

Table 1

Item	PROM/Location	Qty	Ampex P/N (Basic/Perspective)
1	PROM, 2532, LLC location 10C/S	2	1505660-AA/1505662-AA
2	PROM, 2532, LLC location 10D/P	2	1505660-AB/1505662-AB
3	PROM, 2532, LLC location 10F/N	2	1505660-AC/1505662-AC
4	PROM, 2532, LLC location 10G/L	2	1505660-AD/1505662-AD
5	PROM, 2532, LLC location 11C/S	2	1505660-AE/1505662-AE
6	PROM, 2532, LLC location 11D/P	2	1505660-AF/1505662-AF
7	PROM, 2532, LLC location 11F/N	2	1505660-AG/1505662-AG
8	PROM, 2532, LLC location 11G/L	2	1505660-AH/1505662-AH
9	PROM, 2532, HLC location 7A	1	(for Basic/Persp) 1472300-AA
10	PROM, 2532, HLC location 8A	1	(for Basic/Persp) 1472300-AB
11	PROM, 2532, HLC location 15A	1	(for Basic/Persp) 1472300-AC
12	PROM, 2532, HLC location 16A	1	(for Basic/Persp) 1472300-AD

3 DIP Switch Settings on the High Level Controller PWA

STEP 1 Remove the High Level Controller PWA and set DIP switches according to Table 2.

Table 2

DIP Switch/Section	Explanation/Function
S1/1	For future use.
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S1/4	Perspective option installed ON No perspective option OFF
S1/5	For future use.
S1/6	For future use.
S1/7	Digi-matte option installed ON No Digi-matte OFF
S1/8	Input video processor installed ON No input video processor OFF
S2/1	Motion detection present (ADO 2000/3000) ON No motion detection (ADO 1000) OFF
S2/2	For future use.

Table 2 (Continued)

DIP Switch/Section	Explanation/Function
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S2/4	No channel identification ON Channel identification present OFF
S2/5	No auto-release ON Auto-release present OFF
S2/6	525-line standard ON 625-line standard OFF
S2/7	Concentrator not installed ON Concentrator installed OFF
S2/8	No auto H-phase ON Auto H-phase OFF
<p style="text-align: center;">Note</p> <p>For systems with auto H-phase: auto H-phase must be disabled when a concentrator is used (S2/8 ON). Without a concentrator, auto H-phase can be on or off, as user desires.</p>	

STEP 2 Reinstall the High Level Controller PWA.

ADO
VERSION 8

LM 1465790. Version 8 Basic Size Software Kit

ITEM NO.	PART NUMBER	DESCRIPTION	REF DESIG	QTY REQD PER DASH NUMBER																				
				-02																				
1	1472300-AA	PROM ASSY, HLC, 589-902 2532	7A	1																				
2	1472300-AB	PROM ASSY, HLC 589-902 2532	8A	1																				
3	1472300-AC	PROM ASSY, HLC 589-902 2532	15A	1																				
4	1472300-AD	PROM ASSY, HLC 589-902 2532	16A	1																				
5																								
6																								
7	1505660-AA	PROM ASSY, LLC, 589-902 2532	10C,S	2																				
8	1505660-AB	↑ ↑ ↑	10D,P	2																				
9	1505660-AC		10F,N	2																				
10	1505660-AD		10G,L	2																				
11	1505660-AE		11C,S	2																				
12	1505660-AF		11D,P	2																				
13	1505660-AG	↓ ↓ ↓	11F,N	2																				
14	1505660-AH	PROM ASSY, LLC, 589-902 2532	11G,L	2																				
15																								
16																								
17	1472394	VERSION 8.1 SIGNAL SYSTEM SOFTWARE INSTALL. INSTRUCTIONS		REF																				
18	1809762	VERSION 8 SIGNAL SYSTEM SOFTWARE KIT INSTALL. INSTRUCTIONS		1																				

LM 1465792. Version 8 Perspective with Rotation Software Kit

ITEM NO.	PART NUMBER	DESCRIPTION	REF DESIG	QTY REQD PER DASH NUMBER												
				-02												
1	1472300-AA	PROM ASSY, HLC, 589-902 2532 7A	1													
2	1472300-AB	PROM ASSY, HLC, 589-902 2532 8A	1													
3	1472300-AC	PROM ASSY, HLC, 589-902 2532 15A	1													
4	1472300-AD	PROM ASSY, HLC, 589-902 2532 16A	1													
5																
6																
7	1505662-AA	PROM ASSY, LLC, 589-902 2532 10C,S	2													
8	1505662-AB	↑ ↑ ↑ 10D,P	2													
9	1505662-AC	10F,N	2													
10	1505662-AD	10G,L	2													
11	1505662-AE	11C,S	2													
12	1505662-AF	11D,P	2													
13	1505662-AG	↓ ↓ ↓ 11F,N	2													
14	1505662-AH	PROM ASSY, LLC, 589-902 2532 11G,L	2													
15																
16	1472394	VERSION 8.1 SIGNAL SYSTEM SOFTWARE INSTALL. INSTRUCTIONS	REF													
17	1809762	VERSION 8 SIGNAL SYSTEM SOFTWARE KIT INSTALL. INSTRUCTIONS	1													

