



APPENDIX **B**

Manufacturers for Headend Provisioning Requirements

Table B-1 and Table B-2 provide information on some of the manufacturers, websites, and product offerings required to prepare and provision a North American cable headend site for two-way data. Table B-3 and Table B-4 provide information on some of the manufacturers, websites, and product offerings required to prepare and provision a European cable headend site for two-way data.

North American Channel Plans

Table B-1 and Table B-2 provide information on some of the manufacturers, web sites, and product offerings required to prepare and provision a North American cable headend site for two-way data.

Table B-1 *Manufacturers for North American Headend Provisioning Requirements*

Manufacturer ¹	Website or Phone Number	Products/Model
Upconverters		
Barco ²	http://www.barco.com	Gemini
Motorola ³	http://www.gi.com	CDCM2000
Scientific Atlanta	http://www.sciatl.com	Continuum 9860, 9861
Vecima Networks, Inc.	http://www.vecima.com	HD4040, MA4040
Diplex Filters		
Eagle Comtronics	http://www.eaglecomtronics.com	Diplex filters
Microwave Filter Company, Inc.	http://www.microwavefilter.com	Diplex filters
ATX Networks	http://www.atxnetworks.com/	Diplex filters
Viewsonics	http://www.viewsonics.com	Diplex filters
Coaxial Jumpers, Attenuators, Splitters, and Taps		
Viewsonics	http://www.viewsonics.com	Variable attenuators, Comb generators, Cisco uBR kit (splitter, diplex filter, attenuators)
Vecima Networks, Inc.	http://www.vecima.com	Cisco uBR kit (splitter, diplex filter, attenuators)

Table B-1 *Manufacturers for North American Headend Provisioning Requirements (continued)*

Manufacturer ¹	Website or Phone Number	Products/Model
White Sands Engineering, Inc.	http://www.whitesandsengineering.com 1 800-jumpers or 602 581-0331	Coaxial jumpers
GPS Receivers		
Agilent ⁴	http://www.home.agilent.com/agilent/home.jsp?cc=US&lc=eng	Agilent 85960B, 85961B
Symmetricom	http://www.symmetricom.com	TS2500, TS2700, TS3000

1. The lead times for upconverters can run from 2 to 18 weeks. Contact the upconverter manufacturers listed above for current information on lead times.
2. The Barco Gemini model upconverter is no longer available or supported by Barco. Note that Barco currently supports the Gemini model stereoscopic projection package that is not related to the previous Gemini upconverter.
3. Formerly General Instrument
4. Formerly Hewlett-Packard Test and Measurement Division.

In addition, we recommend the following manufacturers, websites, and product offerings for various measurement devices you will need to prepare and provision a North American cable headend site for two-way data.

Table B-2 *Manufacturers for North American Headend Measurement Devices*

Manufacturer	Website or Phone Number	Products/Model
Digital Signal Level Meters/QAM Analyzers		
JDSU	http://www.jdsu.com/products/communications-test-measurement.html	SDA-5000, w/Option 4B
Agilent ¹	http://www.home.agilent.com/agilent/home.jsp?cc=US&lc=eng	Agilent 8594Q, N1776A
Telsey ²	http://www.telsey.it	DMA120, DMA122
Sencore	http://www.sencore.com	QAM-B970
Sunrise Telecom ³	http://www.sunrisetelecom.com/broadband	CR1200R, AT2000RQ
Trilithic	http://www.trilithic.com	860DSP w/Option QA1
Spectrum Analyzers		
Agilent	http://www.home.agilent.com/agilent/home.jsp?cc=US&lc=eng	Agilent 8591C, N1776A
Tektronics	http://www.tek.com	2715
Sunrise Telecom	http://www.sunrisetelecom.com/broadband	AT2000R
Vector Signal Analyzers		
Agilent	http://www.home.agilent.com/agilent/home.jsp?cc=US&lc=eng	Agilent 89411A

1. Formerly Hewlett-Packard Test and Measurement Division.
2. Formerly Tektronics DMA division
3. Formerly Hukk Engineering and Avantron.

European Channel Plans

Table B-3 and Table B-4 provides information on some of the manufacturers, Websites, and product offerings required to prepare and provision a European cable headend site for two-way data.

Table B-3 *Manufacturers for European Headend Provisioning Requirements*

Manufacturer ¹	Website or Phone Number	Products/Model
Upconverters		
Barco ²	http://www.barco.com	Gemini
Motorola ³	http://www.gi.com	CDCM2000
Scientific Atlanta	http://www.sciatl.com	Continuum
Vecima Networks, Inc.	http://www.vecima.com	HD4040, MA4040
Diplex Filters		
Eagle Comtronics	http://www.eaglecomtronics.com	Diplex filters
Microwave Filter Company, Inc.	http://www.microwavefilter.com	Diplex filters
ATX Networks	http://www.atxnetworks.com/	Diplex filters
Viewsonics	http://www.viewsonics.com	Diplex filters
Coaxial Jumpers, Attenuators, Splitters, and Taps		
Viewsonics	http://www.viewsonics.com	Variable attenuators, Comb generators, Cisco kit (splitter, diplex filter, attenuators, coaxial jumpers)
Vecima Networks, Inc.	http://www.vecima.com	Cisco uBR kit (splitter, diplex filter, attenuators)
White Sands Engineering, Inc.	http://www.whitesandsengineering.com 1 800-jumpers or 602 581-0331	Coaxial jumpers
GPS Receivers		
Agilent ⁴	http://www.home.agilent.com/agilent/home.jsp?cc=US&lc=eng	Agilent 85960B, 85961B
Symmetricom	http://www.symmetricom.com	TS2500, TS2700, TS3000

1. The lead times for upconverters can run from 2 to 18 weeks. Contact the upconverter manufacturers listed above for current information on lead times.
2. The Barco Gemini model upconverter is no longer available or supported by Barco. Note that Barco currently supports the Gemini model stereoscopic projection package that is not related to the previous Gemini upconverter.
3. Formerly General Instrument.
4. Formerly Hewlett-Packard Test and Measurement Division.

In addition, we recommend the following manufacturers, websites, and product offerings for various measurement devices you will need to prepare and provision a European cable headend site for two-way data.

Table B-4 *Manufacturers for European Headend Measurement Devices*

Manufacturer	Website or Phone Number	Products/Model
Digital Signal Level Meters/QAM Analyzer		
JDSU	http://www.jdsu.com/products/communications-test-measurement.html	SDA-5000 w/Option 4B
Agilent ¹	http://www.home.agilent.com/agilent/home.jspx?cc=US&lc=eng	Agilent 8594Q, N1776A
Sunrise Telecom ²	http://www.sunrisetelecom.com/broadband	AT2000RQ
Swires Research	http://www.swire.com	TVA 2000-Q
Telsey ³	http://www.telsey.it	DMA121, DMA122
Trilithic	http://www.trilithic.com	860DSP w/Option QA1
Spectrum Analyzers		
Agilent	http://www.home.agilent.com/agilent/home.jspx?cc=US&lc=eng	Agilent 8591C
Tektronix	http://www.tek.com	2715
Sunrise Telecom	http://www.sunrisetelecom.com/broadband	AT2000R
Vector Signal Analyzers		
Agilent	http://www.home.agilent.com/agilent/home.jspx?cc=US&lc=eng	Agilent 89411A

1. Formerly Hewlett-Packard Test and Measurement Division.
2. Formerly Hukk Engineering and Avantron.
3. Formerly Tektronics DMA division.