

Appendix D

Installation Checklist

This installation checklist helps clarify the information and equipment required for a Kaleidescape installation, and verify that the installation site meets basic requirements.

Important First Steps

- Ask the customer to activate the system at www.kaleidescape.com/activate. Provide the serial number of one of the components, which is required for activation. The system can be installed and tested prior to activation.
- Verify that there is a working high-speed Internet connection at the site.
- Check that there is adequate power for all the devices being installed. The server requires a high-quality surge protector. A UPS is optional.
- Check that the planned locations for Kaleidescape components have adequate cooling. The operating temperature range for Kaleidescape components varies by component. See [Appendix A on page 124](#).
- Create installation diagrams for the network and audio/video. Note the cable distances for all A/V, Ethernet, and control interfaces. Make sure these distances do not exceed specifications.

For each Kaleidescape component, note the following information:

- Device type
- Device serial number
- IP address
- MAC address (listed on the **COMPONENTS** tab of the browser interface)
- Control Protocol Device ID (if applicable)

For the network, note the following information:

- Subnet mask
- Gateway address
- DNS server addresses
- DHCP address range
- User name and password for router and switch

- Allow enough time to import the customer's content. It takes about 1 hour to import a Blu-ray Disc, 30 minutes to import a DVD, and 15 minutes to import a CD.

Tools and Supplies

Having the following items on hand can help the installation go smoothly.

- Extra Cat5e or Cat6 cables
- Extra HDMI cable
- Extra power cord
- Ethernet cable tester
- Cable ties
- Label maker
- Extra 4 port router
- Extra 8 or 16 port 1000Base-T switch
- Power strip
- Serial RS-232 cable (F-F DB-9 null modem cable)
- IR remote control (Kaleidescape Remote)
- Small television with appropriate inputs
- Screwdrivers, pliers, etc.

Equipment

- A single router or other device capable of issuing DHCP addresses. If the home network uses static addresses, then a list of the IP addresses of the network nodes should be available.
- 1000Base-T or 100Base-TX switch with enough ports for all devices. A 1000Base-T switch is recommended for all systems, and required if more than one Blu-ray movie or more than seven DVD movies will be played from a server at the same time.
- Cat5e, Cat6 or higher grade network and patch cables from the equipment rack to all Kaleidescape components.
- Audio and video cables in the lengths specified in the installation diagram.
- A computer with an Ethernet port and a browser running an up-to-date version of the Java software (current version of Java software can be downloaded from www.java.com).

Computer must also have a working serial port or a known good USB adapter in case a serial capture is required.

Controls and Displays

- If using a control system (Crestron, AMX, etc.) to control the Kaleidescape System, determine if the control will be done over TCP/IP, Serial RS-232, or IR.

If using control via TCP/IP, assign each Kaleidescape component a DHCP reservation on the DHCP server. Assign and document the following for all Kaleidescape components and the control system.

Device (e.g., M500 Player)	Serial Number	CPDID	IP Address	MAC Address
	000000001234	3	192.168.1.175	00:02:1E:34:21:6A)
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

- List all the display devices and audio equipment that will be connected to the Kaleidescape System. Document the native resolution of the display devices

Players output in native format. This means the display must support both PAL and NTSC to view content in both video standards.

Room (e.g., Theater)	Player SN	Display	Resolution	Format	Video Conn.	Audio Connection	4:3 Stretch
	000000001234	Runco VX-4c	1080p	16×9	HDMI	HDMI	No)
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

- If using a control system, download the latest documentation, programs and templates from www.kaleidescape.com/support/control-systems.