



kaleidescape

## Installation Checklist for Kaleidescape Systems

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This document lists the tools and equipment needed to assist with the installation, outlines basic requirements for the site where the components will be installed, and summarizes the settings to configure once the Kaleidescape System is operational.

### Tools and Supplies

In addition to common tools such as screwdrivers and pliers, having the following items on hand will help the installation go smoothly, and assist with troubleshooting when needed.

**All items should be tested ahead of time and known to be working.**

- Spare Cat5e or Cat6 cables
- Ethernet cable tester
- Spare 4 port router
- Spare 8 or 16 port 1000Base-T switch
- Small test display with appropriate inputs
- Spare HDMI cable
- Spare power strip
- Extra IEC power cord
- Kaleidescape IR remote control with fresh batteries
- Serial RS-232 cable (F-F DB-9 null modem cable)
- Cable ties
- Label maker
- Blu-ray disc, DVD and CD
- A computer with an Ethernet port and a web browser running an up-to-date version of the Java software (current version can be downloaded from [www.java.com](http://www.java.com)).

For use with a Premiere system, the computer should also have a working serial port or a known good USB to serial adapter in the rare case a serial capture needs to be performed.

**Refer to:** [Retrieving Diagnostic Information Quick Reference Guide.](#)

## Equipment

The following items contribute to a healthy operating environment.

- 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, and required if more than one Blu-ray quality movie will be played at the same time.

**Refer to:** [K000017] [Does Kaleidescape recommend a particular network switch?](#)

- Cat5e, Cat6 or higher grade network and patch cables from the equipment rack to all Kaleidescape components.
- High quality audio and video cables in the proper lengths. When players will output 1080p video, High Speed HDMI cables should be used. HDMI must be used to output lossless Blu-ray audio.

**Refer to:** [HDMI and the Kaleidescape System Technical Note](#)

## Basic Site Requirements

Survey the site for sufficient resources, and gather necessary information before installation commences.

- Check that there is adequate power for all the devices being installed. Components with hard drives, such as Alto, Cinema One and Premiere servers, require a high-quality surge protector. A UPS is optional.

**Refer to:** [K000069] [How much power do Kaleidescape components require?](#)

- Check that the planned locations for Kaleidescape components have proper cooling. The operating temperature range varies by component.

**Refer to:** [A/V Installation Cooling Guide](#)  
[Environmental Specifications for Kaleidescape Components](#)

- Verify that there is a working high-speed Internet connection at the site. When connecting a single Alto or Cinema One (2nd generation) to a network using the included wireless USB adapter, make sure the wireless access point is close enough to provide a reliable connection.
- Determine if control will be done over TCP/IP, Infrared (IR), or Serial (RS-232). When using control via TCP/IP, consider whether to assign each Kaleidescape component a static IP address or a DHCP reservation on the DHCP server.

Download the latest documentation, programs and templates from [www.kaleidescape.com/support/control-systems](http://www.kaleidescape.com/support/control-systems).

- Record the following information for the network devices and make sure there is a substantial number of free IP addresses on the DHCP server.
  - Router
    - brand/model:* \_\_\_\_\_
    - user:* \_\_\_\_\_ *password:* \_\_\_\_\_
    - IP address:* \_\_\_\_\_ (*this is also likely the gateway address*)
  - Gateway address (if different than the router IP address)
    - \_\_\_\_\_
  - DHCP address range
    - \_\_\_\_\_ to \_\_\_\_\_
  - Subnet mask
    - \_\_\_\_\_
  - DNS server addresses
    - preferred:* \_\_\_\_\_ *secondary:* \_\_\_\_\_
  - Switch
    - brand/model:* \_\_\_\_\_
    - user:* \_\_\_\_\_ *password:* \_\_\_\_\_
    - IP address:* \_\_\_\_\_
- List all display devices that will be connected to Kaleidescape players, along with the primary input, the native resolution, and indicate when screen masking is used.

Location	Player Serial Number	Display	Resolution	Input	Masking
theater <b>EXAMPLE</b>	020600005678	Sony VPL-VW1100ES	1080p60	HDMI	✓

**Note:** If both NTSC and PAL content will be output from the player, the display device must support both formats, or it must be connected to an external video processor that converts NTSC to PAL, or PAL to NTSC. Kaleidescape players do not convert one format to the other.

- 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.
- With a complex HDMI path, check that the HDCP repeater device limit for each component in the path is greater than or equal to the total number of components in the path. Alto, Cinema One and M-Class players support up to 16 downstream devices.
- For each Kaleidescape component, take note of the following information. The network/control information may need to be entered after installation is complete.

Type			General		Network/Control					
Server	Player	Vault	Serial Number	Location	IP Address	Static	DHCP	Reservation	MAC Address	CPDID
✓			010300001234	basement rack	192.168.15.32	✓			00:07:E9:B5:AA:38	2
	✓		020600005678	master bedroom	192.168.15.33			✓	00:0B:63:00:75:93	3
	✓	✓	060000012345	theater	192.168.15.34			✓	00:0B:63:00:92:1B	4

**Note:** MAC addresses are listed on the **Components** page of the browser interface. Player MAC address are also listed on the **System Summary** page of the onscreen user interface.

**Note:** The Control Protocol Device ID, or **CPDID**, is only necessary when routing commands through a central device (e.g., a server). It is configured in the browser interface and is only available on Premiere systems.

## System Configuration

Before the Kaleidescape System is ready to use, review the following items.

- Ask the customer to activate the system. Installation, configuration and testing can be performed prior to activation.

**Refer to:** [K001255] [How do I activate my new Kaleidescape System?](#)

- Add all components to the Kaleidescape System.

On Alto or Cinema One, this is done on the **Settings > Link Players** page or the **Settings > Disc Vaults** page in the onscreen user interface.

On a Premiere system, this is done from the **Components** page of the browser interface.

**Refer to:** [K002922] [How are new components added to an existing Kaleidescape System?](#)

- When necessary, assign a static IP address and/or control protocol ID number to each component (control protocol ID numbers are only available on Premiere systems).

On Alto or Cinema One, network settings are configured on the **Settings > Network** page in the onscreen user interface.

On disc vaults and Premiere systems, settings are accessed from the **Components** page of the browser interface.

**Refer to:** [K000022] [How do I assign or change IP addresses to components?](#)

- Allow enough time to add content, taking into consideration the number of titles to be imported and/or cataloged, and the speed of the Internet connection when downloading content from the Kaleidescape Movie Store (in territories where the Store is supported).

Cataloging takes less than a minute per disc, while it takes about 1 hour to import each Blu-ray disc and 15 minutes to import each CD. CSS-protected DVDs cannot be imported to systems purchased from Kaleidescape on or after November 30<sup>th</sup>, 2014, but they can be cataloged so that they appear in the onscreen user interface, just like content downloaded from the Kaleidescape Movie Store.

For more information, visit [www.kaleidescape.com/protected-dvds](http://www.kaleidescape.com/protected-dvds).

- Configure parental controls for movies when applicable.

**Refer to:** [K003467] [How do I set up and use parental controls on Alto or Cinema One?](#)  
[K000348] [How do I set up and use parental controls on a Premiere line system?](#)

## Player and Disc Vault Configuration

To maximize the potential of each player and disc vault, the following settings should be configured.

- Enter a unique name for each player and disc vault. Assigning a “friendly name” like this makes the onscreen user interface and the Kaleidescape iPad app easier to use.

On Alto or Cinema One, this is done on the **Settings > Player Name** page in the onscreen user interface.

For disc vaults and Premiere systems, this is done on the **Components** page of the browser interface.

**Refer to:** [K001784] [How do I change the name of a Kaleidescape component?](#)

- When using music on a Premiere system, enter the **Zone 1 Name (for music)** for each player on the **Components** page of the browser interface. Descriptive names help when selecting the correct zone.

- Check audio and video on each player for optimal performance. Manually configure the audio or video signal when necessary.

**Refer to:** [HDMI and the Kaleidescape System Technical Note](#)

- Choose a CinemaScope mode and set up screen masking settings when a projector with a screen masking system is connected to a player.

**Refer to:** [CinemaScope Technical Note](#)

- Configure subtitle and language preferences for each player.

In the onscreen user interface of Alto or Cinema One, open the **Settings > Language/Subtitles** page to choose preferences.

From the browser interface of a Premiere system, click the **Settings** button on the *Components* page and open the **LANGUAGE** tab to choose preferences.

**Refer to:** [K000386] [How do I set subtitle and language preferences?](#)

- Change the DVD region code if necessary. Contact your dealer or Kaleidescape Support if the Blu-ray region code needs to be changed.

**Refer to:** [K000101] [How do I change the region code?](#)

## Kaleidescape Support

For additional help with the installation of a Kaleidescape System, contact Kaleidescape Support.

- ▶ Send email message to [support@kaleidescape.com](mailto:support@kaleidescape.com).
- ▶ Call the support line at **+1 (650) 625-6160**.

Be prepared to provide the serial number of Alto, Cinema One, or the Premiere server. Serial numbers are printed on labels located on the backs of all components and behind the front panels of Premiere servers.

The Kaleidescape website always has the latest support updates.

<http://www.kaleidescape.com/support>