



Know Your CLIQ Controller

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Introduction

This *Know Your CLIQ Controller* bulletin identifies the applications supported by each CLIQ controller model and details the differences between them. It is intended as an informational tool.

CLIQ controller models

The **CLIQ.host** provides all device management services to AppModules, supports all Clare user interface services, and acts as the gateway to the ClareCloud for system updates. Part number and pricing for the CLIQ.host controller is available on the Master Price List, or on the Dealer Dashboard (<http://www.clarecontrols.com/dealer>).

The **CLIQ.lite** runs on the same hardware platform as the full-featured CLIQ.host, but has limited support for some applications. It provides a lower cost-of-entry to Clare's home automation systems, yet still provides the ability to expand. As a customer's needs grow, dealers can upgrade the CLIQ.lite with all the functions of a CLIQ.host by purchasing a CLIQ Software Expansion License. Part numbers and pricing for the CLIQ.lite controller and CLIQ Software Expansion License are available on the current Master Price List, or on the Dealer Dashboard (<http://www.clarecontrols.com/dealer>).

The **CLIQ.express** is the entry-level controller for Clare's home automation solutions. Its feature capabilities and application support level are the same as the CLIQ.lite controller; however, several of the I/O blocks have been removed to make CLIQ.express Clare's most affordable controller yet. As with CLIQ.lite, dealers can upgrade the CLIQ.express to provide full support for all the functions of a CLIQ.host by installing a CLIQ.connect I/O expansion module coupled with the purchase of a CLIQ Software Expansion License.

The table below lists the software features supported by each of the CLIQ.host controllers.

Application	CLIQ.host	CLIQ.lite	CLIQ.express
Audio zones	Unlimited	4 zones	4 zones
Audio streams	3	3	3
Lighting	Unlimited	10 circuits	10 circuits
Security	Unlimited	1 partition, 8 zones	1 partition, 8 zones
Thermostats	Unlimited	2	2
Cameras	Unlimited	2	2
Pool Spa	Unlimited	N/A	N/A
Entertainment	Unlimited	4	4

CLIQ.express I/O port capabilities

As mentioned above, the CLIQ.express controller has a reduced set of I/O ports. The I/O capabilities of the CLIQ Controller family are shown in the following table.

I/O Function	CLIQ.host	CLIQ.lite	CLIQ.express
USB 2.0	2	2	2
Ethernet LAN	1	1	1
IR Controller	6	6	N/A
Digital I/O	4	4	N/A
Contact/Relay	2	2	N/A
RS232	2	2	1
CobraNet	1	1	1

The difference between the CLIQ.host and CLIQ.lite, and the CLIQ.express controller back panel connections is illustrated in Figure 1 and Figure 2.

Note: CLIQ.host and CLIQ.lite units marked Rev C or higher fully support both USB 2.0 ports.

CLIQ license administration

When a dealer wants to expand the capabilities of a CLIQ.express, he or she can install a CLIQ.connect module in conjunction with the application of a CLIQ Software Expansion License. A license key code will be provided to the dealer. The dealer must then call our Technical Support team to validate the code and modify the project's CLIQ.express license to that of a CLIQ.host.

Figure 1: CLIQ.host and CLIQ.lite controller backplane configuration



Figure 2. CLIQ.express controller backplane configuration



Contact information

Clare Controls, Inc.
7519 Pennsylvania Ave, Suite 104
Sarasota, FL 34243
Support: 941.404.1072
Fax: 941.870.9646
<http://support.clarecontrols.com>
www.clarecontrols.com