QT Command Center Manual

Overview

The Qt Command Center, referred to by the acronym 'QtCC'. QtCC is a software application designed to provide a unified view of compatible Cambridge Sound Masking QT Control Modules (controllers) from a single site. The QtCC makes the deployment and administration of very large and distributed sound masking installations simple and easy. The QtCC provides the benefit of adjusting the settings of any controller regardless of its location on a corporate LAN. The Command Center allows users to copy settings from any controller and apply them to one or more controllers, thereby eliminating the need to individually set the same number repeatedly, or going to the physical location of each controller.

Getting Started

Upon initial use of the QtCC, the user is presented with the Log In screen. The initial default credentials are:

- Username: admin
- Password: secret

Once you have entered the case sensitive username and password, first time users will be presented with a set up form. On the set up form, you will be asked to enter several pieces of information. Here is a description of the information required:

Field	Valid Entries	Description
Company Name	Any string < 50 characters in length	Enter your company name.
User Name	Any string < 25 characters in length	Enter a username (case sensitive) for accessing the QtCC in the future.
Password	Any string < 25 characters in length	Enter a password (case sensitive) for accessing the QtCC in the future.
Image Path	Properly formatted path	You can use the browse button to identify the directory in which you will store the images associated with each controller's layout.
LAN Time Out	Any number from 3-30	Enter the number in seconds of time QtCC should wait for a connection when accessing a controller.
Organizational Levels	For each level, any string < 25 characters in length	The QtCC recognizes four levels when adding controllers, and you can assign names to each level the. The default values are set to City, Building, Floor, and Section.

Once you have entered and saved your settings, you are presented with the Command Center Home Page. The page is divided into two parts: the left pane and the right pane. The left Controller List pane will contain a tree structure with your organized controllers. The right pane contains three tabs: the Operations Tab, the Graphical Map Tab, and the Settings Tab. Their functions are as follows:

Tab	Description
Operations	This default tab will display all the settings for the selected controller; to select a controller click on it in the left Controller List pane.
Graphical Map	This tab will display a graphical representation of the controller's covered areas. The file is specified in the Add/Edit Controller form.
Settings	Any string < 25 characters in length.

Adding a Controller

To add a controller from the Command Center Home page, select Configure, then select Add/Edit/Delete Controller. The Add Controller form is displayed. This form allows you to manage the controllers in use. To add a controller, click on the first empty row and make the following entries (* = required fields):

Field	Description
*City	Enter the city the controller is located in
*Building	Enter the building the controller is located in
*Floor	Enter the floor the controller is located on
*Section	Enter the section the controller is located in
*Controller Type	Right click and select from the list of available controller types
*User Name	Enter the user name for this controller
*User Password	Enter the password for this controller.
MAC Address	Enter the MAC address for this controller
*URL	Enter the IP address for this controller (e.g., 192.168.1.101)
Zone Image	Enter the name of the file that contains the graphical image for this zone
Notes	Can contain any information about the controller

When a new record entry is initiated by the user, all fields are auto-populated except for the MAC Address, URL, and Zone Image name. However, for these non-automatic fields, you can use a function to copy-and-paste (via a right-click) similar values from previously entered records. Note that it is important to first left-click on the field to be copied or pasted from, and then right-click to choose the target and complete the action. Otherwise, the action may affect a different field.

Add Button - This enables the user to add a record. Records can also be added by clicking on the last empty row.

Delete Button - This enables the user to delete the selected record.

Save Button - This enables the user to save the current records without being required to exit the screen.

Export Button - This enables the user to export the information in the list to a CSV formatted file. It can be read by other programs and used as backup.

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Import Button - This enables the user to import previously exported information from a QtCC CSV-formatted file. This will overwrite any current controller settings you have.

Close and Save Button - This enables the user to exit this screen while simultaneously saving all entered data.

General Use

Command Center Home Screen
This is the central control screen for the QtCC. The Command Center Home Screen includes the following elements:

- Drop Down Menus
- Controller List
- Operations Tab
- Graphical Map Tab
- Controller Page Tab

Command Center Home - Drop Down Menus
There are four drop down menus in the Command Center Home Screen which provide seven functions:

Menu Option	Description
File/Exit	Exits the application
Configure/Setup	Goes to the Setup Screen
Configure/Add/Edit/Delete Qt-Controllers	Goes to the Command Center Add Controller Screen
Edit/Copy Zone Settings	Copies the Zone settings from the currently selected Zone
Edit/Paste Zone Settings	Pastes the previously copied Zone settings to the currently selected Zone
Help/Technical Support	Goes to this Help Screen
Help/About	Goes to the Help About Screen

Command Center Home - Controller List
The Controller list, located in the leftmost column of the Command Center Home Screen, provides a hierarchical view of all Qt-Contollers that have been registered in the system:

Actions
Click on Controller List to view the cities
Click on a city to view the buildings
Click on a building to view the floors
Click on a floor to view the sections
Click on a section to view the zones

To refresh the Controller List, right-click in the Controller List area and choose "Refresh". To expose an immediate detailed view of the entire system topology, right-click in the Controller List area and choose "Open All".

Command Center Home - Operations Tab

This tab will remain empty until the user clicks on a Zone in the Controller List, at which point the Operation Tab is populated with the variables associated with the chosen Zone. These include:

- Mask Volume Max (0 - 30)
- Mask Volume Min (0 - 30)
- Current Mask Volume
- Input A Volume (0 - 30)
- Input B Volume (0 - 30)
- Auto Ramp Control
- Begin Ramp to Max Time
- Begin Ramp to Min Time
- Ramp Interval
- Saturday Schedule
- Sunday Schedule

All of these settings, except for the Current Mask Volume, are changeable and savable by clicking on the button on the lower right, "Save Settings To Controller".

NOTE: In this release, the Command Center can't access the Friday Schedule, a limitation of the Qt Controller's firmware. This improvement will be made in a future release.

Command Center Home - Graphical Map Tab

This tab displays a map of the Qt Controller wiring, if a map file name was previously entered by the user for the selected Qt Controller and if that image file was placed in the designated directory (see Set Up). If no map file name had previously been entered, then this screen will remain blank.

Command Center Home - Controller Page Tab

This tab will remain empty until the user clicks on a Zone in the Controller List, at which point the software will open a view to the Operations Web Page for the selected Qt Controller. From here, the user can also browse to the Qt Controllers's specific Administration, Help, and Printout webpages. Access is given to the first level of adjustments. Access to the second level of administrative adjustments requires the administrator password and direct browser access to the Qt Controller

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Upgrading

Before you upgrade, we recommend you use the Export function on the Add/Edit Controller Form to create a backup to safeguard your data.

In the event that an upgrade of the software is required, the user is advised to install the new version in the same directory from which the older version was running. By doing this, the database of Qt Controller settings will be retained.

Technical Support

To access support, please call 800.219.8199 between the hours of 9am EST and 5pm EST.

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