The following is an example of a typical setup when adding a Control Server to a site design.

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**Hardware Configuration**

Below is a simple network diagram for connecting the Control Server into the AV network for control of Symetrix DSPs.

![Network Diagram](image)

*Note: If using static network information, ensure that all Symetrix products are set to the same subnet mask. Failure to do so may result in, but is not limited to, web based control, third party control, and ARC control issues.*

**Composer Configuration**

**Placing Units**

1. Place the DSP in site design.

2. Place the Control Server in site design.

3. Open the DSP and add mixer of choice. An 8 Input Mono/Mono Mixer is used in this example.
Assigning Controls and Adding Apps

4. Open the module and right-click on the fader you want to assign to the Control Server app.

5. Next in the Set Up Remote Control dialog, select the Add Control App... button.
6. In the Add Control Server Application dialog, select the Edit... button next to the Add Type: dropdown menu.

7. In the Edit Control Server Application dialog, change the name of the Application as desired. The Controls: tree shows the hierarchy of controls available for the app. The Mixer App can have up to 32 channels and 16 presets.

8. While adding the app, you can enable more channels. By default, the Mixer App only has 4 channels enabled. Simply scroll down the tree to the last desired channel, highlight it, and click the Enable button.

9. Composer will prompt you asking if you wish to enable any disabled channels between the last enabled channel and the one you selected. In this example, since channel 4 was the last enabled and we enabled 8, Composer will automatically enable channels 5, 6, & 7 if yes is selected.

11. After all initial settings for the Mixer App have been set, click Save and OK in the open dialogs.
12. Back in the Set Up Remote Control dialog, an icon has been added for the CS App, and will be selected for you.
* Repeat as many times as necessary for the number of faders needed in your design. Composer tries to intelligently select the appropriate Control Server App Controls: based on the control you choose. In this case, we chose a fader, and Composer has preselected Channel 1 Fader for it to be assigned to. The next fader will automatically be preselected to the next available channel fader control.

13. Setting up a mute button works the same as faders. Right-click the control to be assigned and select Set Up Remote Control...

14. The Set Up Remote Control dialog will automatically choose the first unused Channel Mute to assign the control to.
* Repeat as many times as necessary for the number of mutes needed in your design. Composer tries to intelligently select the appropriate Control Server App Controls: based on the control you choose. In this case, we chose a mute, and Composer has preselected Channel 1 Mute for it to be assigned to. The next mute will automatically be preselected to next available channel mute control.
15. If during setup of the app, more channels were not enabled to fit your design, simply check the Show Controls in Disabled Control Groups checkbox.

16. The Control Server App Controls: dropdown will now show all controls for the app.

Remote Control Manager

1. In Remote Control Manager, there is a tab for Control Server Apps. This tab shows all application configurations that have been setup for any Control Server in the site design. They are set up in a tree hierarchy, that can be collapsed and expanded to see controllers associated with each.
2. To show all disabled controls in the hierarchy, check the Show Disabled Control Groups checkbox.

4. Editing the Channel Fader allows for restriction of the allowed range that the user can control the fader. In this example, the low range was raised from -72 dB to -40 dB and the high lowered from 12 dB to 6 dB.

3. Editing the Channel Label allows you to change both the text displayed in the app for the channel and the color of the text.
5. Editing the mute button allows for the option to disable user adjustment of the control. This turns the mute button into a simple indicator of the mute status to the Mix App user.

Going Online with Hardware

1. Click the box in the lower left corner of the DSP module to locate the unit. Find the appropriate unit in the list and click the Select Hardware Unit button.

2. Click the box in the lower left corner of the Control Server module to locate unit. Find the appropriate unit in the list and click the Select Hardware Unit button.
3. Once the units are located, indicated by the check marks in the lower left corner of the modules, click the icon of the green arrow entering the box in the toolbar to go online with the site.

**Control Server Web GUI**

**Admin Configuration**

1. Navigate a web browser to the Control Server's IP address. Login as the administrator. By default, the credentials are:
   - **User:** Admin
   - **Password:** Password

*Note: These fields are case sensitive.*
App Management

2. The Menu button in the upper right-hand corner of the browser opens a drop-down style menu. Click on App Management to navigate to the page for assigning licenses to app configuration pushed to the Control Server from Composer.

3. Click on the App to see the configurations that have been pushed to the Control Server for that particular app.

4. To license app configurations, simply click the arrow on the left of the configuration name. You can also click and drag the configuration from the Available Configurations area down to the Licensed Configurations area.

5. Once all configurations have been licensed, click the Save button.
Adding Users
6. From the menu, click User Management.

7. Next click the New User button.

8. Fill out all the user information in the red fields. To assign control of configuration to the user, click the arrow to the left of the configuration name, or drag them down to the User Allowed Configurations area.

9. Once the user is set up, click the Save button.
10. The user is now listed below the Admin account on the User Management page. Open the menu and click Logout.

11. The first page seen is the user's Dashboard. This consists of previews for all the application configurations that the user has been granted access to by the admin. The Menu button in the upper right-hand corner provides some user controlled options for their account/display. Click on one of the application previews to open that configuration.