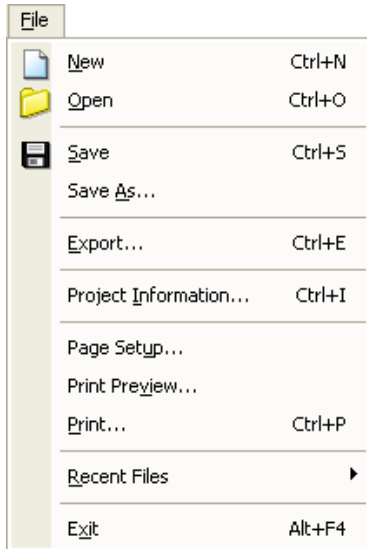


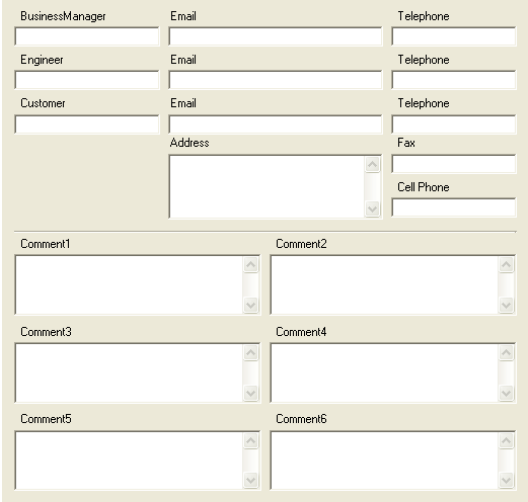
## Chapter 8: Menu and Toolbar reference

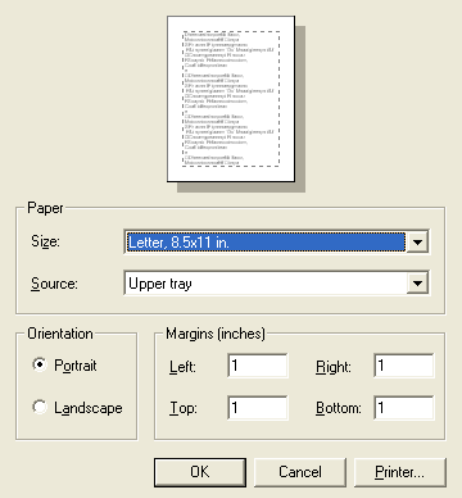
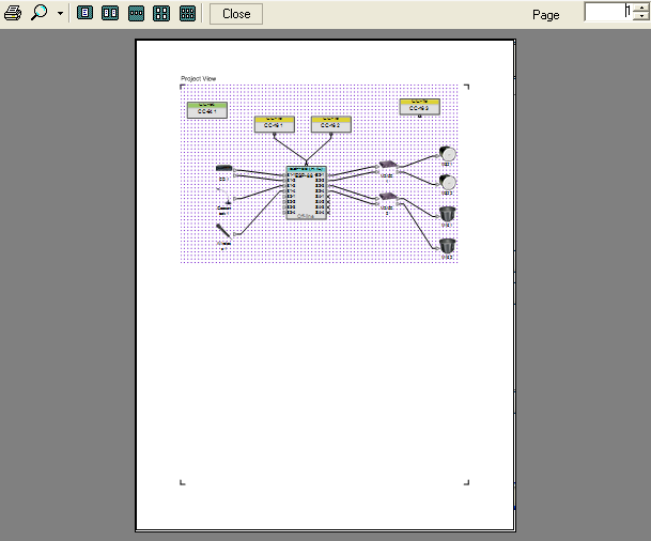
### Menu reference

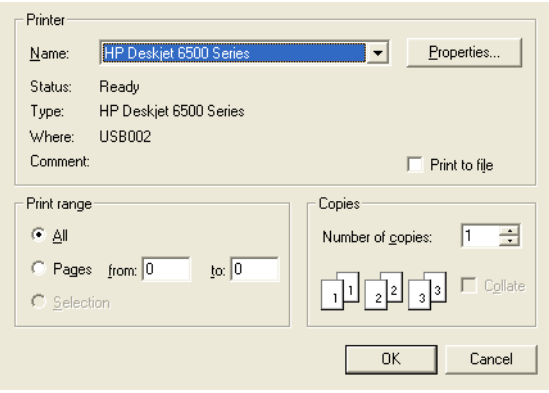
#### File menu



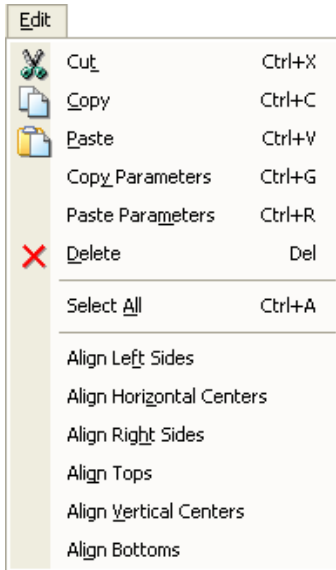
New	Create a new project file (.csp). If a project is currently open, and unsaved you will be prompted to save it before creating a new project.
Open	Open an existing project by locating it on the hard drive and choosing the .csp file. If a project is currently open with unsaved changes, you will be prompted to save it before opening a new project.
Save	Save changes to the project. If you have not yet saved the project, you will be prompted to name and save the project.

Save As...	Create a copy of the project and save it with a different name. The new saved project will remain open and the original project will be closed.
Export ...	Export the contents of your project to a comma delimited (.csv) file. This file contains the entire tree structure of your project, similar to the <b>Project Directory</b> window.
Project Information	<p>Open the <b>Project Information</b> window, where you can record contact information and comments related to the design.</p>  <p>The screenshot shows a form with the following sections:</p> <ul style="list-style-type: none"> <li><b>Business Manager:</b> Fields for BusinessManager, Email, and Telephone.</li> <li><b>Engineer:</b> Fields for Engineer, Email, and Telephone.</li> <li><b>Customer:</b> Fields for Customer, Email, and Telephone.</li> <li><b>Address and Contact:</b> Fields for Address, Fax, and Cell Phone.</li> <li><b>Comments:</b> Six text areas labeled Comment1 through Comment6, each with scroll bars.</li> </ul>

<p>Page Setup</p>	<p>Open the <b>Page Setup</b> window, where you can change the Paper Size, printer paper source, orientation, and margin sizes.</p> 
<p>Print Preview ...</p>	<p>Open the <b>Print Preview</b> window to view what your design will look like when printed.</p> 

<p>Print ...</p>	<p>Open the <b>Print</b> window to select a printer, specify which pages to print, and specify a number of copies to print.</p> 
<p>Recent Files</p>	<p>Open one of up to four recently loaded project files.</p>
<p>Exit</p>	<p>Close ControlSpace Designer software.</p>

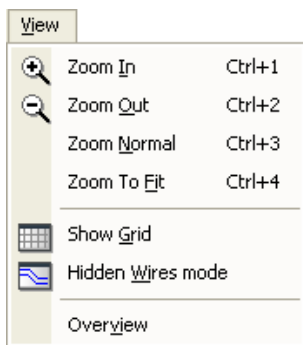
## Edit menu



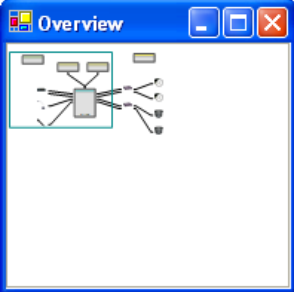
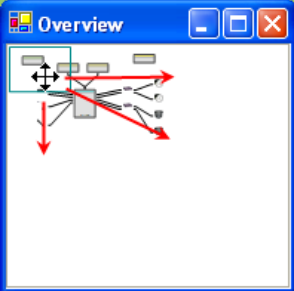
Cut	Delete the selected item and copy to the clipboard (standard Windows editing function).
Copy	Copy the item to the clipboard (standard Windows editing function).
Paste	Paste the contents of the clipboard (standard Windows editing function).
Copy Parameters	Copy the parameters, or settings, for a signal processing block in the <b>ESP-88</b> window. The parameters can be copied to another signal processing block of the same type.
Paste Parameters	Paste the copied settings from one signal processing block to one or more other blocks of the same type.
Delete	Delete the selected item.
Select All	Select all items in the active window.

Align Left Sides	Align the left sides of all selected signal processing blocks in <b>Project View</b> or the <b>ESP-88</b> window.
Align Horizontal Centers	Align the horizontal centers of all selected signal processing blocks in <b>Project View</b> or the <b>ESP-88</b> window.
Align Right Sides	Align the right sides of all selected signal processing blocks in <b>Project View</b> or the <b>ESP-88</b> window.
Align Tops	Align the tops of all selected signal processing blocks in <b>Project View</b> or the <b>ESP-88</b> window.
Align Vertical Centers	Align the vertical centers of all selected signal processing blocks in <b>Project View</b> or the <b>ESP-88</b> window.
Align Bottoms	Align the bottoms of all selected signal processing blocks in <b>Project View</b> or the <b>ESP-88</b> window.

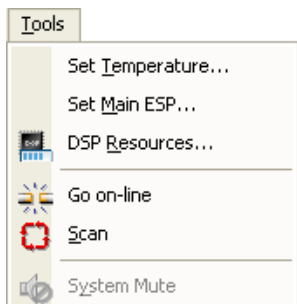
### ***View menu***



Zoom In	Magnify your view in <b>Project View</b> , or the <b>ESP-88</b> window.
Zoom Out	Display a larger area of your view in <b>Project View</b> , or the <b>ESP-88</b> window.
Zoom Normal	Set the zoom level to 100%.

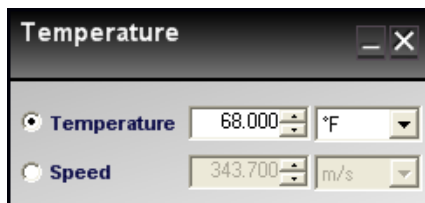
Zoom To Fit	Set the zoom level so that all objects can be seen in <b>Project View</b> , or the <b>ESP-88</b> window.
Show Grid	Switch the background grid in <b>Project View</b> , or the <b>ESP-88</b> window between two different patterns, or no grid.
Hidden Wires mode	Toggle the wiring between show and hide.
Overview	<p>Open the <b>Overview</b> window. The <b>Overview</b> window contains a high level view of your signal processing design in the <b>ESP-88</b> window. Use your mouse cursor to draw a box around an area of your design that you would like to zoom in on.</p>  <p>Use the mouse to drag the zoom window around your design.</p>  <p>The overview window can be kept open while making changes to your designs.</p>

## Tools menu

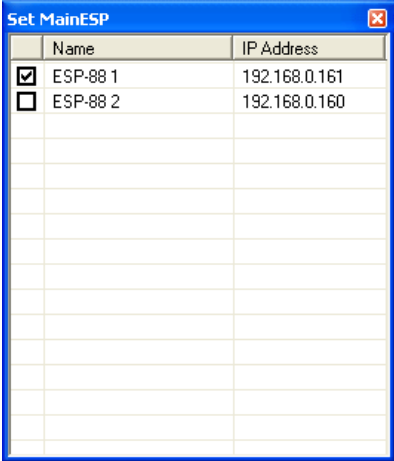
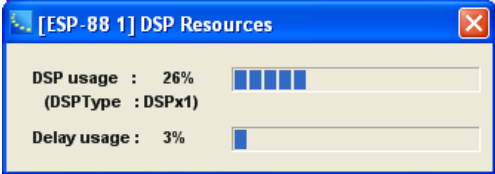


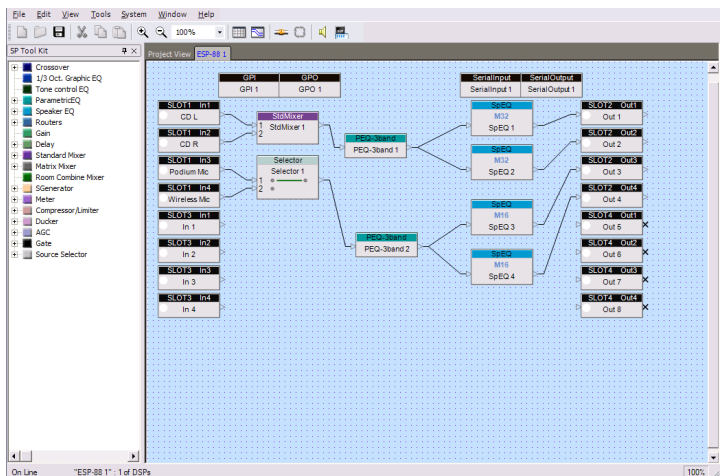
### Set Temperature

Open the **Temperature** window to set the ambient temperature for which you would like to calculate delay times, in degrees Fahrenheit, or degrees Celsius. Alternately you can set the speed of sound at your design location in ft/s or m/s. ControlSpace Designer software uses this value to calculate loudspeaker delay times.

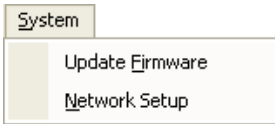




Set Main ESP ...	<p>Open the Set Main ESP window. In a design with multiple ESP-88s, use this window to specify which ESP-88 is the Real Time Clock (RTC) for your system. Only one ESP-88 can act as the RTC unit.</p> 
DSP Resources	<p>Open the DSP Resources window to view the percent capacity used for signal processing (DSP) and delay in the selected ESP-88.</p> 

<p>Go on-line / Go off-line</p>	<p>When connected to the ControlSpace hardware, go on-line to upload your system design, or download from the hardware, and to adjust settings in real time. The background in <b>Project View</b>, and the <b>ESP-88</b> window turn blue to indicate that you are now working online.</p>  <p>When you are online, press the <b>Go off-line</b> button to disconnect.</p>
<p>Scan</p>	<p>Use the Scan feature to detect hardware on your local network. Do not press the <b>Scan</b> button while you have an existing project open. This may result in a conflict that can cause a change in your system design configuration. Scan should be used with a blank new project only, as a means to identify what hardware exists in the local network. When ControlSpace Designer software completes the scan, the <b>Project View</b> is automatically populated with the ESP-88s, CC-64s, and CC-16s that are properly connected in your local network.</p>
<p>System Mute</p>	<p>Mute all audio output when working online.</p>

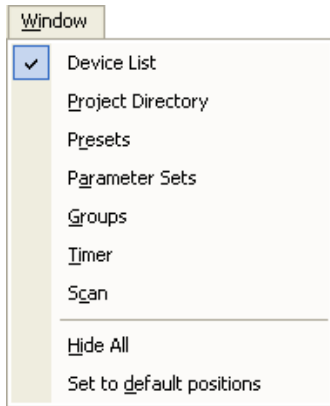
## System menu



Update Firmware	<p>Open the <b>Update Firmware</b> window. While connected to the ControlSpace hardware, you can view the version of the currently loaded firmware and update the firmware for the CC-64(s), ESP-88(s) and CC-16(s) on your local network.</p> <p>The screenshot shows a window titled 'Device List' with a 'Scan' button at the top right. Below the title bar is a table with the following data:</p> <table border="1"> <thead> <tr> <th>IP-Address</th> <th>Type</th> <th>Loaded version</th> <th>Latest version</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/> 192.168.0.161</td> <td>ESP</td> <td>v0.904</td> <td>v0.906</td> <td></td> </tr> <tr> <td><input type="checkbox"/> ID=1</td> <td>CC-16</td> <td>v1.5</td> <td>N/A</td> <td>up-to-date</td> </tr> <tr> <td><input type="checkbox"/> 192.168.0.176</td> <td>CC-64</td> <td>v0.903</td> <td>v0.903</td> <td>up-to-date</td> </tr> </tbody> </table> <p>At the bottom of the window is an 'Update' button.</p>	IP-Address	Type	Loaded version	Latest version	Status	<input checked="" type="checkbox"/> 192.168.0.161	ESP	v0.904	v0.906		<input type="checkbox"/> ID=1	CC-16	v1.5	N/A	up-to-date	<input type="checkbox"/> 192.168.0.176	CC-64	v0.903	v0.903	up-to-date
IP-Address	Type	Loaded version	Latest version	Status																	
<input checked="" type="checkbox"/> 192.168.0.161	ESP	v0.904	v0.906																		
<input type="checkbox"/> ID=1	CC-16	v1.5	N/A	up-to-date																	
<input type="checkbox"/> 192.168.0.176	CC-64	v0.903	v0.903	up-to-date																	

<p>Network Setup</p>	<p>Open the <b>Network Setup</b> window to view and change the IP address of a component on your system.</p> <div style="border: 1px solid #ccc; padding: 10px; background-color: #f9f9f9;"> <div style="text-align: center; margin-bottom: 10px;"> <input type="button" value="Scan"/> </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Type</th> <th style="text-align: left;">IP addr</th> <th style="text-align: left;">MAC addr</th> </tr> </thead> <tbody> <tr> <td>ESP</td> <td>192.168.0.161</td> <td>00-0C-8A-00-D0-21</td> </tr> <tr> <td>CC-64</td> <td>192.168.0.176</td> <td>00-0C-8A-01-00-03</td> </tr> </tbody> </table> <div style="text-align: right; margin-top: 10px;"> <input type="button" value="Change to..."/> </div> </div>	Type	IP addr	MAC addr	ESP	192.168.0.161	00-0C-8A-00-D0-21	CC-64	192.168.0.176	00-0C-8A-01-00-03
Type	IP addr	MAC addr								
ESP	192.168.0.161	00-0C-8A-00-D0-21								
CC-64	192.168.0.176	00-0C-8A-01-00-03								

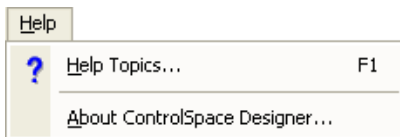
### **Window menu**



<p>Device List/SP Tool Kit</p>	<p>When working in <b>Project View</b>, toggle the <b>Device List</b> window between show and hide. When working in the <b>ESP-88</b> window, toggle the <b>SP Tool Kit</b> window between show and hide.</p>
<p>Project Directory</p>	<p>Toggle the <b>Project Directory</b> window between show and hide.</p>

Presets	Toggle the <b>Presets</b> window between show and hide.
Parameter Sets	Toggle the <b>Parameter Sets</b> window between show and hide.
Groups	Toggle the <b>Groups</b> window between show and hide.
Timer	Toggle the <b>Timer</b> window between show and hide.
Scan	Toggle the <b>Scan</b> window between show and hide.
Hide All	Close all windows except <b>Project View</b> and the <b>ESP-88</b> window.
Set to default positions	Return all open windows to their default location in ControlSpace Designer software.

### *Help menu*











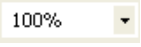


Help Topics ...	Open the HTML Help file.
About ControlSpace Designer	Open the About ControlSpace Designer software window.

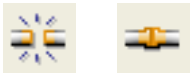
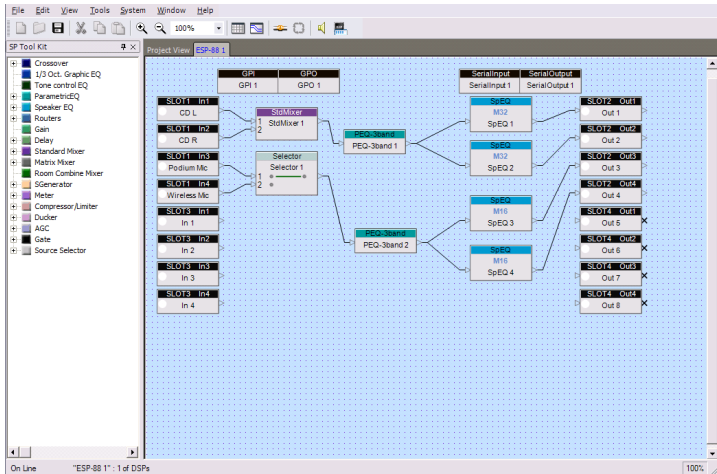


## Toolbar reference

### Main toolbar


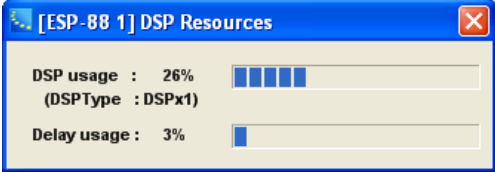


<p>New Project (Ctrl+N)</p> 	<p>Create a new project file (.csp). If a project is currently open, you will be prompted to save it before creating a new project.</p>
<p>Open Project (Ctrl+O)</p> 	<p>Open an existing project by locating it on the hard drive and choosing the .csp file. If a project is currently open with unsaved changes, you will be prompted to save it before opening a new project.</p>
<p>Save File (Ctrl+S)</p> 	<p>Save changes to the project. If you have not yet saved the project, you will be prompted to name and save the project.</p>
<p>Cut (Ctrl+X)</p> 	<p>Delete the selected item and copy to the clipboard (standard Windows editing function).</p>

<p>Copy (Ctrl+C)</p> 	<p>Copy the item to the clipboard (standard Windows editing function).</p>
<p>Paste (Ctrl+V)</p> 	<p>Paste the contents of the clipboard (standard Windows editing function).</p>
<p>Zoom In (Ctrl+1)</p> 	<p>Magnify your view in <b>Project View</b>, or the <b>ESP-88</b> window.</p>
<p>Zoom Out (Ctrl+2)</p> 	<p>Display a larger area of your view in <b>Project View</b>, or the <b>ESP-88</b> window.</p>
	<p>Select a Zoom percentage from the dropdown menu, or type in a zoom percentage.</p>
<p>Show Grid</p> 	<p>Switch the background grid in <b>Project View</b>, or the <b>ESP-88</b> window between two different patterns, or no grid.</p>
<p>Hidden Wires Mode</p> 	<p>Toggle the wiring between show and hide.</p>

<p>Go on-line / Go off-line</p> 	<p>When connected to the ControlSpace hardware, use go on-line to upload your system design, and to adjust settings in real time. The background in <b>Project View</b>, and the <b>ESP-88</b> window turn blue to indicate that you are now working online.</p>  <p>When you are online, press the <b>Go off-line</b> button to disconnect.</p>
<p>Scan</p> 	<p>Use the Scan feature to detect hardware on your local network. Do not press the <b>Scan</b> button while you have an existing project open. This may result in a conflict that can cause a change in your system design configuration. Scan should be used with a blank new project only, as a means to identify what hardware exists on the local network. When ControlSpace Designer software completes the scan, the <b>Project View</b> is automatically populated with the ESP-88s, CC-64s, and CC-16s that are properly connected in your local network.</p>
<p>System Mute</p> 	<p>Mute all audio output when working online.</p>



<p>DSP Resources</p> 	<p>Open the DSP Resources window to view the percent capacity used for signal processing (DSP) and delay in the selected ESP-88.</p> 
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