



RELEASE & DEPLOYMENT NOTE

DSP Control Software

Version 4.0.0

Amplifier control and configuration
Windows · 64-bit installer package

Release	4.0.0 · build 143165
Package date	29 October 2024
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Document revision	DN-CS400-A
Applies to	Windows 64-bit
Release type	GENERAL RELEASE

1. About this release

DSP Control Software is the S SOUNDS application for configuring and controlling DSP amplifier platforms directly. It provides device discovery, input and output routing, crossover and parametric equalisation, limiter and delay configuration, preset management and live monitoring.

This note covers the 4.0.0 installer package: what it contains, what it requires, how to deploy it across an estate, and how it sits alongside the other S SOUNDS control application.

2. Package identification

Property	Value
File	DSP_Control_Software_64_bit_v_4_0_0_143165.msi
Product name	Control Software
Version	4.0.0 · build 143165
Package size	118 MB · 1,448 files
Product code	{A16D3482-C784-4F63-857A-87173C4611EE}
Upgrade code	{B299046A-DCD3-494C-B94E-EE6C200A13BB}
Installer technology	Windows Installer (WiX)
Default install path	%ProgramFiles%\DSP\AllDSP_OEM\Control Software

The upgrade code is stable across releases, so a later package upgrades an existing installation in place rather than installing beside it.

3. System requirements

Requirement	Detail
Operating system	64-bit Windows, Vista or newer. Windows 10 and 11 recommended.
Architecture	The installer requires a 64-bit host and will not run on 32-bit Windows. A separate 32-bit package is available for those machines.
Install scope	Per-machine. Administrator rights required.
Runtime	The Microsoft Visual C++ runtime is installed from the package if it is not already present. No internet connection is required.
Network	Ethernet connection to the amplifier network.

THE APPLICATION RUNS AS A 32-BIT PROCESS

`Control Software.exe` is a 32-bit executable and runs under WOW64 on a 64-bit Windows host. The 64-bit requirement in the package name refers to the operating system, not to the application. This is worth knowing when sizing memory limits, when attaching diagnostic tools, and when planning for a Windows release that withdraws 32-bit support.

4. Package contents

The application ships with its own interpreter and runtime, so it does not depend on anything being present on the target machine beyond the Visual C++ runtime included in the package.

Component	Detail
Application	<code>Control Software.exe</code>
Language runtime	Python 2.6, bundled (<code>python26.dll</code> and Windows extensions)
User interface toolkit	wxWidgets 2.8
Numerics	NumPy
Audio I/O	PortAudio
Transport / cryptography	Bundled socket and SSL modules
Device support	<code>drivers\</code> , <code>dfi\</code> , <code>factory\</code> , <code>configurations\</code>
Service component	<code>srvdz_rt.exe</code>

5. Deployment policy

INSTALL ON CONTROL MACHINES ONLY

The bundled Python 2.6 and wxWidgets 2.8 runtimes are self-contained inside the installation directory. Because they are bundled rather than system components, **they are outside the scope of Windows Update** and are not patched by routine estate maintenance. Deploy this application to machines dedicated to amplifier control, not to general office workstations.

Recommended handling for an installed estate:

- Install on machines attached to the amplifier control network only.
- Keep that network segregated — a dedicated switch or VLAN, with no route to the internet and no shared access with audience or guest networks.
- Do not use a control machine for email or web browsing.
- Treat the installation directory as an appliance: update by installing a newer package, not by replacing components inside it.

6. Installation

Interactive

1. Sign in as a local administrator.
2. Run the `.msi`. The destination folder can be changed at the directory step.
3. The Visual C++ runtime is installed from the package if required. A restart may be requested.

Unattended deployment

```
msiexec /i "DSP_Control_Software_64_bit_v_4_0_0_143165.msi" /qn /norestart /l*v install.log
```

Removal

```
msiexec /x {A16D3482-C784-4F63-857A-87173C4611EE} /qn
```

7. Using alongside DSP Network Manager

DSP Control Software and S SOUNDS DSP Network Manager are separate applications with separate install paths, settings and shortcuts. They may be installed on the same machine and neither reads the other's configuration.

Application	Use it for
DSP Control Software	Direct configuration and control of amplifier hardware — routing, crossovers, EQ, limiters, presets and live monitoring.
DSP Network Manager	System design and acoustic prediction — venue modelling, loudspeaker placement, SPL and coverage mapping, intelligibility, reporting — with amplifier control alongside it.

ONE CONTROLLER AT A TIME

Both applications talk to the same amplifiers, and the control protocol does not arbitrate between clients. **Do not run both against the same amplifier network simultaneously.** Two applications pushing parameters to one device produce a state that neither of them is displaying. Close one before opening the other.

8. Network security

The amplifier control protocol does not authenticate connections. Any host that can reach an amplifier can read and change its settings, including gain, limiter and mute state. This is a property of the control protocol itself and applies equally to every application that speaks it.

Operate the amplifier network as a closed network. Use physical segregation or a dedicated VLAN, with no internet route and no shared access with audience or guest networks. Where remote access is genuinely required, place it behind a VPN that terminates outside the amplifier VLAN.

9. Legal notice

DSP Control Software is supplied for use with S SOUNDS DSP amplifier platforms and is subject to the terms of the S SOUNDS software licence. Configuration changes made with this application take effect on live audio hardware. Verify limiter, gain and crossover settings before operating a system at level in the presence of an audience.

Specifications and package contents are current at the date of issue and are subject to change without notice.

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