Sonos Extras — Control4 Driver

DTI Automation · Sonos Extras driver for Control4 · driver file `sonos_extras.c4z`

Sonos Extras works alongside Control4's own Sonos drivers and adds sound and speaker settings, the sleep timer, Sonos alarms with wake-up actions, announcements, Save and Restore Room State, the queue and the music library, a music player on the homeowner page and programming. It needs no Sonos login and no IP address. The full guide is on the driver's Documentation tab in Composer.

Before you start

- Control4's own Sonos drivers are in the project and working: the Sonos player driver for each Sonos room, and the Sonos Network driver.
- Use one Sonos Network driver in the project; a second one is not used.
- The controller is on the same network as the Sonos speakers.
- Control4 OS 3.3.0 or later.

Add and activate the driver

1. Add `sonos_extras.c4z` to the project, in any room. One driver serves every Sonos room.
2. Activate it. Set **Activation Method** to where you bought it: `DriverCentral` (check **Cloud Status**) or `DTI` (paste the key into **Activation Key**, check **Activation Status**). New installs get a 30-day trial.
3. Wait about 10 seconds. **Status** reads `<n> Sonos rooms` and **Rooms Found** names them.
4. Refresh Navigator. The **Sonos Extras** tile appears in the Control4 app in the room the driver is in.

Properties

PROPERTY	WHAT IT DOES
Activation Method	`DriverCentral` or `DTI`: where the driver was bought.
Cloud Status	The DriverCentral licence state. Read only.
Automatic Updates	Lets DriverCentral update the driver by itself.

PROPERTY	WHAT IT DOES
Activation Key	The DTI Automation licence key, on a DTI purchase.
Activation Status	The DTI licence state. Read only.
Driver Version	The build number. Read only.
Status	How many Sonos rooms the driver serves, or what is missing. Read only.
Rooms Found	The Sonos rooms found. Read only.
Low Battery Level	Below this percentage a portable speaker fires Battery low. Default 20.
Default Announcement Volume	The announcement volume when a command asks for 0. Default 30.
Homeowner Page	`On` shows the Sonos Extras page; `Off` turns it off.
Live Announcement	`On` shows the page's microphone button; `Off` removes it.
Log Level, **Log Mode**	How much the driver logs, and where.

Actions

ACTION	WHAT IT DOES
Rescan Sonos Rooms	Looks for Sonos rooms again. Run it after adding or removing one.
Print Room Summary	Writes one line per Sonos room to the log.

The homeowner page

The **Sonos Extras** tile, in the room the driver is in, shows for each Sonos room four tabs, Queue, Library, Announce and Settings:

- **Queue:** opens first. A player with cover art, play or pause, previous, next, seek, shuffle, repeat and volume, then the queue. **Save as playlist** saves the queue as a Sonos playlist. Turn two fingers on the page to change the volume with a dial.
- **Announce:** hold to talk and let go to play it in the rooms chosen; Chime; Play last again.
- **Library:** Sonos Favorites to tap and play, Sonos Playlists, and the music library to browse, search and play.
- **Settings:** sound and speaker settings, the sleep timer and, for a portable speaker, its battery. Settings a speaker lacks are not shown. Alarms are on the Settings tab too: create, edit, turn on or off and delete Sonos alarms, and choose what lights, blinds, fans and thermostats in the speaker's Control4 room do when the alarm sounds.

Grouping stays with Control4's own Sonos driver. With **Homeowner Page** `Off` the page says `Your installer has turned off this page.`; before activation it says `Sonos Extras isn't activated yet. Ask your installer.`

Programming

Commands, each with a Sonos Room to act on:

COMMAND	WHAT IT DOES
Set Bass, **Set Treble**	Sets the level, -10 to 10.
Set Loudness, **Set Night Sound**, **Set Speech Enhancement**	Turns the setting on or off.
Set Sub, **Set Surrounds**	Turns them on or off and sets the level, -15 to 15.
Set Status Light, **Set Touch Lock**	Turns the light, or the touch controls lock, on or off.
Set Sleep Timer	Minutes, 0 to 240; 0 turns it off.
Enable Alarm, **Disable Alarm**	Turns a Sonos alarm on or off.
Play Announcement	One room or every room: the Sonos chime, or a sound at an `http://` or `https://` address, at a volume.

COMMAND	WHAT IT DOES
Save Room State, **Restore Room State**	Remembers what a room is playing, and puts it back.
Clear Queue	Empties the queue.
Play From Library	Plays or queues an artist, album or Sonos playlist by name.

Variables, one set per room, named `<Sonos room> <name>`: Reachable, Bass, Treble, Balance, Loudness, Night Sound, Speech Enhancement, Sub, Sub Level, Surrounds, Surround Level, Audio Delay, Status Light, Touch Lock, Sleep Minutes Left, Next Alarm, Battery Percent, Charging. Also Rooms Found.

Events, one set per room, named `<Sonos room>: <event>`: Speaker not answering, Speaker back online, Sleep timer ended, Alarm started, Announcement finished, Battery low.

Announcements: run Save Room State, then Play Announcement. Restore in a separate event: when `<room>`: Announcement finished → Restore Room State. Do not put all three in one macro: the restore would run while the announcement plays.

If something is wrong

STATUS SAYS	WHAT TO DO
`Add Control4's Sonos drivers first`	Add Control4's Sonos driver for each Sonos room, then run Rescan Sonos Rooms.
`Add Control4's Sonos Network driver`	Add Control4's Sonos Network driver, then run Rescan Sonos Rooms.
`Waiting for Control4's Sonos drivers`	Check that each Control4 Sonos driver shows its speaker.
A command **was refused**	The driver is not activated or its trial ended: check Cloud Status or Activation Status.

A speaker that is not answering: check it is plugged in and its light is on; if it was moved, open the Sonos app once so it reconnects.

To send a log: set **Log Level** `3 - Info` and **Log Mode** `Print and Log`, repeat the problem, and send the lines that begin `Sonos Extras:`.

Licensing and support

Sonos Extras is sold through DriverCentral and through DTI Automation; either licence is enough. For licences and support, contact whichever one you bought it from.