Lyngdorf Amplifier Driver

For use with: Lyngdorf TDAI-2170 Amplifiers



Driver software written and provided by:



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Introduction

This is a reference manual to describe the interface provided between a Control4 system and a Lyngdorf TDAI-2170 Amplifier via the serial port (**RS232**). The driver supports the Lyngdorf Amplifier Serial Control protocol codes for RS232.

This module was written and tested using Composer version **2.4** running on an HC-800 controller and a TDAI-2170 Amplifier running version 1.02a.

The Control4 driver version is currently **v100**.

Control4 Configuration

Add the driver to your project

Copy the .c4i files from the zip package to My Documents\Control4\Drivers Open Composer

The driver can be found under Device Type : **Receiver** – Manufacturer : Lyngdorf It will appear as a Lyngdorf TDAI2170 Receiver as shown below.



In the Properties tab, the Control 4 driver version will be displayed. The Amplifier Device ID and the Amplifier SW Version are read only fields which are populated after serial communications with the amplifier have been successfully established.

Make connections

Configure the control and audio/video connections as per standard Control4 practice. It is necessary to make an RS232 connection from the Control 4 control input to the appropriate RS232 output devices serial port . A null modem cable is required to physically connect the Control4 serial port to the amplifier RS232 port.

Configure as many video and audio input/output ports as the project requires.

🕻 Composer 2.4.0		_					
File Driver Go Tools Help							
Connections	Control & Audio Video Connections						
Control/AV Network	Lyngdorf TDAI2170						
K New Project	Name	Туре	Connection	Input/Output	Connected To		
🖕 🔶 Home	Audio/Video Inputs						
🔬 🏠 House	COAX DIG 1	Audio	DIGITAL COAX	locut			
🚊 😽 Corporate	COAX DIG 2	Audio	DIGITAL COAX	locut			
ia- 🏠 House	OPT DIG 3	Audio	DIGITAL OPTICAL	Input			
🖻 🔁 Main	OPT DIG 4	Audio	DIGITAL OPTICAL	Input			
in- 🛃 Theater	OPT_DIG_5	Audio	DIGITAL_OPTICAL	Input			
Lyngdorf TDAI2170	OPT_DIG_6	Audio	DIGITAL_OPTICAL	Input			
	🗳 USB_INPUT	Audio	USB	Input			
	WHDMI_INPUT_1	Audio	HDMI	Input			
	The HDMI_INPUT_2	Audio	HDMI	Input			
	The HDMI_INPUT_3	Audio	HDMI	Input			
	THDMI_INPUT_4	Audio	HDMI	Input			
	HDMI_ARC	Audio	HDMI	Input			
	ANALOG_1	Audio	STEREO	Input			
	ANALOG_2	Audio	STEREO	Input			
	ANALOG_3	Audio	STEREO	Input			
	ANALOG E	Audio	STEREO	input			
	ANALOG 6	Audio	STEREO	Input			
	Audio Ofician Outputs	10010	0121120	n por			
	Audio/video Outputs	A	COCAVED	0.1-1			
	PIGITAL OUT	Audio	STEREO	Output			
		Audio	UDMI	Output			
	ANALOS OUT	Audio	STEREO	Output			
	ANALOG OUT	Audio	SPEAKER	Output			
	Control Inputs						
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	Deces Control	Control	115_252	npor	Home Consider Hobbe-Sterrine 1		
	Koom Control						
	Boom Selection - Output	RoomControl	AUDIO_SELECTION	Output	Theater->Audio End-Point 1, Theater->Video s Audio		
	In noom selection - Output	Noomcontrol	ADDIO_VOLOME	Output	medicity video volume 1, medicity Abdio volume 1		
	PS 122 Outrie Dunings						
	Device	Name	Location (Connections			
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	Home Controller HC800	SERIAL 2	Room				
🔯 System Design	WyreStorm Routing RS232	Serial RS-232	Room				
Connections							
💮 Media							
🔢 Agents							
💥 Programming							



Double-click the switch icon in System Design and a control window will appear.

Refresh Navigators to update the connections on your touchscreen controller.

Troubleshooting

Check the amplifier is powered and switched on. Also check the RS232 serial cable has been fitted correctly to the appropriate Control 4 processor port and the amplifier.

The digit panel on the Lyngdorf TDAI2170 control window is not used.