

AIRNEXUS CONTROL4 DRIVER

(ANX-DRIVER-C4)

General

The C4 Airnexus Driver is designed to provide seamless integration between the Airnexus HVAC system and Control4 automation platforms. This driver enhances the functionality and control of your HVAC system, offering users a unified and intuitive interface for managing their climate control needs. It allows for advanced scheduling, monitoring, and automation, ensuring an optimized and comfortable environment.

Key Features

1. Seamless Control4 Integration

- Effortlessly integrates Airnexus HVAC systems with Control4 home automation platforms.
- Provides a unified interface for managing HVAC settings directly from Control4 touchscreens, mobile apps, and remotes.

2. Comprehensive HVAC Management

- Supports full control of HVAC functions, including temperature settings, fan speeds, modes, and zones.
- Enables precise adjustments and real-time monitoring of the HVAC system's status.

3. Advanced Scheduling (Presets)

- Allows users to create and manage schedules for HVAC operation, optimizing comfort and energy efficiency.
- Supports custom schedules for different days, times, and zones.

4. Automation and Scene Integration

- Integrates with Control4 scenes and automation, allowing HVAC settings to be included in broader home automation scenarios.
- Automate HVAC responses based on triggers such as time of day, occupancy, or other environmental conditions.

5. Energy Management

- Helps optimize energy consumption by allowing precise control and scheduling of HVAC operations.
- Provides insights into energy usage, enabling users to make informed decisions about their HVAC settings.
- Features an intuitive and easy-to-use interface that simplifies HVAC control for all users.

Installation

The Control4 Airnexus VRV32 driver is expertly designed to streamline the integration of Airnexus VRV32 HVAC systems with Control4 home automation environments. Utilizing the powerful Simple Device Discovery Protocol (SDDP), the installation process is significantly simplified, allowing installers to quickly and easily set up and configure the system. The primary task for the installer is to assign a ZoneID to each thermostat, with other standard configurations pre-set based on the geographic region, ensuring a smooth and efficient setup.

Key Features of the Installation Process

1. SDDP Integration

- Automatic Device Discovery: The Control4 Airnexus VRV32 driver leverages Control4's Simple Device Discovery Protocol (SDDP) to automatically discover and identify compatible devices on the network. This feature eliminates the need for manual configuration and searching, reducing setup time and minimizing potential errors.
- Streamlined Installation: By reducing the need for manual input, SDDP streamlines the entire installation process, allowing installers to focus on other critical aspects of the setup.

2. Regional Configuration

- Pre-Configured Settings: The driver comes with pre-configured settings tailored to specific geographical regions, ensuring that the system operates correctly out of the box.
 - Southeast Asia: Default temperature unit set to Celsius.
 - USA: Default temperature unit set to Fahrenheit.
- Automatic Adjustment: These regional settings are automatically applied, removing the need for installers to manually adjust temperature units, which can save time and reduce the risk of configuration errors.

3. Minimal Configuration Requirements

- ZoneID Assignment: The primary configuration task for the installer is to assign a unique ZoneID to each thermostat connected to the system. This identification allows the system to manage and control different zones accurately.
- Automatic Standard Settings: Beyond assigning ZoneIDs, all other standard settings are automatically configured by the driver, based on the regional settings. This ensures that the system is set up with the optimal configurations without additional manual input.

Basic Installation Steps

1. Preparation

- Ensure the Control4 system and Airnexus VRV32 HVAC system are powered and connected to the network.
- Verify that all necessary components and cables are available.

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2. Device Discovery

- Open the Control4 Composer Pro software.
- Use SDDP to discover the Airnexus VRV32 devices:
 - Navigate to the “Discovered” tab in Composer Pro.
 - The Airnexus VRV32 devices should appear automatically in the list of discovered devices.

3. Adding Devices to the Project

- Select the discovered Airnexus VRV32 devices.
- Add them to the Control4 project by dragging and dropping them into the project tree.

4. Assigning ZoneIDs

- For each thermostat (ThermostatV2) connected to the Airnexus VRV32 system:
 - Select the thermostat device in the project tree.
 - Navigate to the device properties and find the ZoneID setting.
 - Assign a unique ZoneID to each thermostat based on the specific zone it controls.
- Save the configuration.

5. Automatic Configuration

- The driver automatically configures other standard settings based on the region:
 - **Southeast Asia:** Default temperature unit set to Celsius.
 - **America:** Default temperature unit set to Fahrenheit.
- Confirm that these settings are correctly applied by checking the device properties.

6. Final Checks and Testing

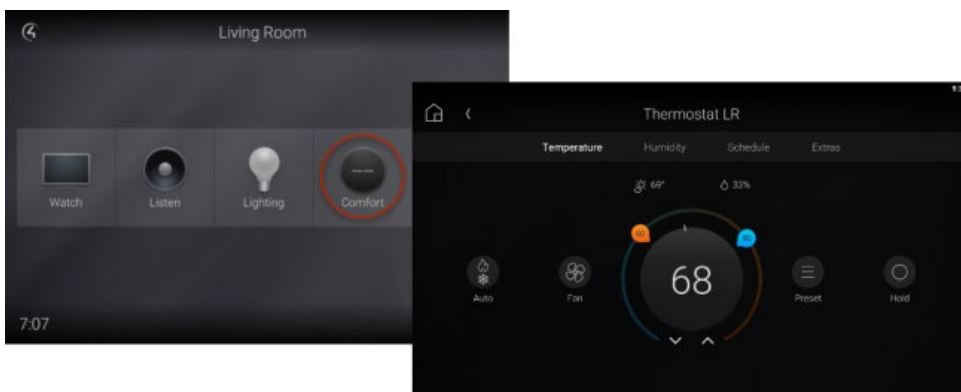
- Test basic control functions such as adjusting temperature, changing modes, and monitoring status for each Zoneid and ensure all commands line up with FCU zone.

Graphical User Interface (GUI)

Mobile Phone GUI



Tablet and C4 Navigator GUI



Specifications

Specifications Table	
Connectivity	SDDP
C4 Compatibility	OS 2.7+
File Type	.C4Z
File Name	airnexusvrv.c4z , airnexuszone.c4z
Release Version	1.0.0

Important Notice

The Control4 Airnexus VRV32 driver is developed and maintained internally by Airnexus and does not rely on any third-party developers. However, any changes to the Control4 ecosystem may require a driver update in the future. We cannot guarantee the compatibility of our driver with future versions of Control4 until our driver is tested and released for the newest Control4 firmware.

We are committed to maintaining a quick turnaround on driver updates for future Control4 version releases. If you are unsure about compatibility, please contact Airnexus via a support ticket to check the most up-to-date compatibility information before proceeding with major OS updates. Your satisfaction and system stability are our priorities, and we are here to assist you with any concerns.
