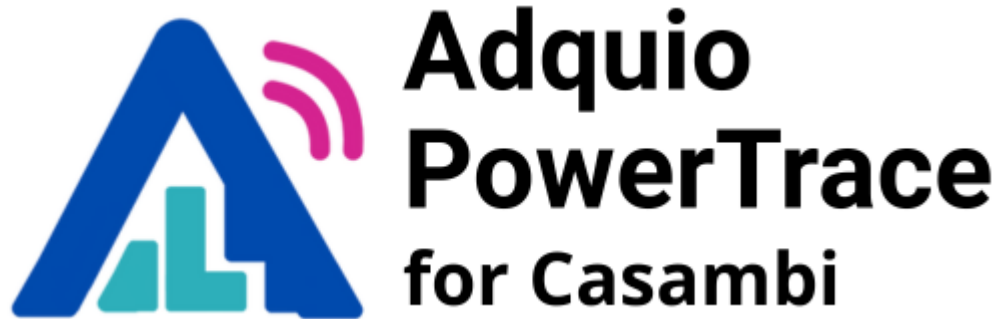




Getting Started Guide

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Introduction

Adquio PowerTrace for Casambi is software that runs on Adquio controllers. It allows you to obtain instantaneous and period-by-period consumption information from the data it receives from one or more connected Casambi networks.

For proper operation, it is necessary to provide technical information for the installation drivers.

In this manual, you'll find the prerequisites and steps needed to get started.

Prerequisites

- Casambi network(s) configured with finalized scenes and groups.
- Lithernet Gateway installed on each network and accessible.
- Variable files exported from Lithernet.
- Datasheets of all the different drivers in the installation.
- Location plans for drivers and groups.

Process steps

1. Configure the Casambi network

- Make sure each Casambi network is fully configured.
- All scenes and groups must be defined.



If this step is not completed, you will not be able to continue setting up Adquio PowerTrace for Casambi.

2. Adopt LitherNet Gateway in the network

- Add LitherNet Gateway to every Casambi network.
- This procedure is very simple and is explained in the [Adquio training videos](#).

3. Configure LitherNet Gateway

- Configure LitherNet to export all necessary variables.
- Adjust data updates to be as fast as possible.
- You can follow [the training videos available](#).

4. Extract variables from LitherNet

- Export all [the variables that LitherNet generates in a CSV file](#).
- Save a CSV for each Casambi network.

5. Import variables into Adquio

- [Converts](#) and [import CSV](#) files in your Adquio controller.
- With this, you will have all the variables of your Casambi networks available within the system.

6. Collect driver specifications

- Provide Adquio with the datasheet for each type of driver installed.
- Indicate the location of each driver on the installation plans.
- Indicate the composition of each group (number and type of drivers).



This data is essential for accurate consumption calculations.

7. Define zones and groupings

- Define how you want to measure consumption:
 - By group (our minimum unit of information that corresponds to a Casambi group).
 - By zones (example: room, hallway, floor, building).
- It also defines the grouping periods: day, week, month, etc.

8. PowerTrace Configuration

- This step is carried out by Adquio technicians.
- The requested final consumption variables will be created.
- Data can be exported or used directly through:
 - Modbus
 - BACnet
 - Adquio.API
 - Adquio Cloud BMS
 - Adquio SCADA
- If you use Adquio Cloud BMS or SCADA, you can export all information in CSV format to work with spreadsheets or Business Intelligence systems.

9. Calibration (optional)

- PowerTrace is natively accurate.
- If you require absolute precision:
 1. Measure actual consumption with an analyzer or clamp meter.
 2. Compare with data provided by PowerTrace.
 3. If there is a difference, Adquio will adjust the formulas to match.

Result

Once you've completed these steps, you'll have a virtual energy metering system for your Casambi networks:

- Instantaneous and period-by-period consumption data.
- Information ready to be integrated into your control and analysis systems.
- Possibility of exporting and processing information in multiple formats.