

Akuvox Master Slave Setup

This is a small document on how to create a Master Slave setup using Akuvox Access Controls.

Master Slave setup between A01 devices.

Wiring

First connect your 12v and Ground wires from your power supply into your A01 devices.

Now connect the WG_D1, WG_D2 and GND wires between the Master and Slave devices.

Now connect both A01 devices into an ethernet switch (Not POE)

Power devices and let them boot up

If you haven't added them to the auCloud, add them now.

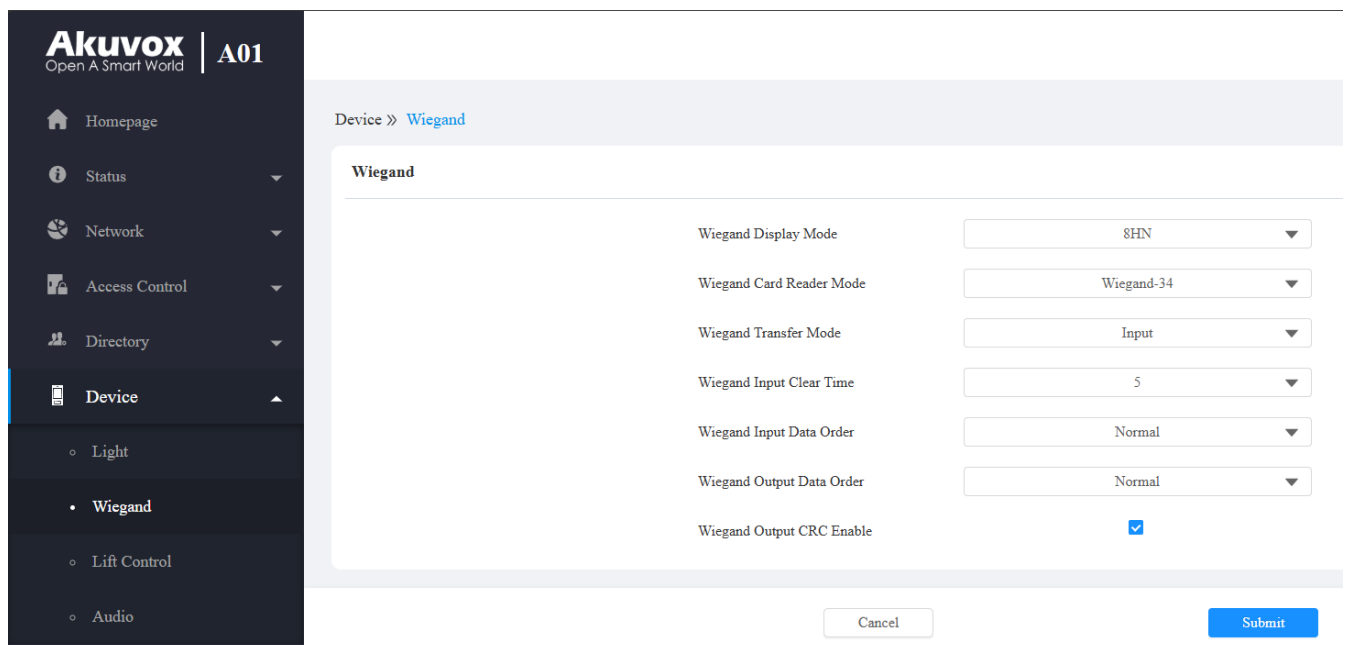
Now we'll start the programming

Programming

Log into the auCloud site that has the devices.

Log into the Master A01 first

MASTER:



The screenshot shows the Akuvox A01 web interface. On the left is a dark sidebar with the logo 'Akuvox | A01' and the tagline 'Open A Smart World'. The sidebar menu includes: Homepage, Status, Network, Access Control, Directory, Device (highlighted), Light, Wiegand (selected), Lift Control, and Audio. The main content area is titled 'Device » Wiegand'. Below this, there's a 'Wiegand' section with a list of settings and their values:

Setting	Value
Wiegand Display Mode	SHN
Wiegand Card Reader Mode	Wiegand-34
Wiegand Transfer Mode	Input
Wiegand Input Clear Time	5
Wiegand Input Data Order	Normal
Wiegand Output Data Order	Normal
Wiegand Output CRC Enable	☒

At the bottom right of the settings area are two buttons: 'Cancel' and 'Submit'.

Above is a screenshot of the Master Programming:

The 2 main settings you will need to change are:

1. Set Wiegand Transfer Mode to Input

2. Set Wiegand Card Reader Mode to Wiegand 34

SLAVE:

The screenshot shows the Akuvox A01 web interface. The left sidebar has a 'Device' menu with 'Wiegand' selected. The main panel displays the 'Wiegand' configuration page with the following settings:

Setting	Value
Wiegand Display Mode	SHN
Wiegand Card Reader Mode	Wiegand 34
Wiegand Transfer Mode	Output
Wiegand Input Data Order	Normal
Wiegand Output Data Order	Normal
ID Card Output Raw Bytes	3 Bytes
Wiegand Output CRC Enable	☒
Wiegand Out Verification	☒
Card Entered Action	

Buttons: Cancel, Submit

First Step in setting up the slave is to:

1. Set Wiegand Transfer Mode to Output
2. Set Wiegand Card Reader Mode to Wiegand 34

Master Slave setup between A0 device and Third Party Wiegand reader

This all depends on the Third Party Wiegand Reader. For this example, we'll use the U50MF Reader and the A03. In this case, the A03 will be the master and U50MF will be the slave

Wiring

Wire the U50MF into the A01 using the WG_D1, WG_D2, and GND. Make sure to use the correct wires if there are specified wires

Connect the A01 and U50MF to the power supply and boot it up

Programming

When programming for a third-party reader, you'll need be aware of what YOUR reader requires. In most cases the same programming can be applied.