

# Master Backup Configuration in NEO+ Systems

Ref: D-0029707-EN-r00



# Master Backup Configuration in NEO+ Systems

## 1. Description

This manual describes the steps required for the initial setup of a NEO+ system with redundant controllers. The minimum configuration required includes a **NEO+ Main Master**, a **NEO+ Master Backup**, and at least one **NEO+ Extension**. Procedures are outlined to enable system redundancy, ensuring that the **Master Backup** takes control if the **Main Master** is not operational, thus ensuring operational continuity.

## 2. Starting conditions

To carry out the configuration of the NEO+ system, the following conditions must be met:

- **Physical interconnect** established between the ports of the NEO+ devices to enable FlexNet communication.
- The **CFG switch** on NEO+ devices should be positioned at **01**.
- Connection between the **X port of the Main Master** and the configuration **PC**.
- The **NEOApp v12.01 or higher** application must be properly installed on the **PC** that will be used for configuration.

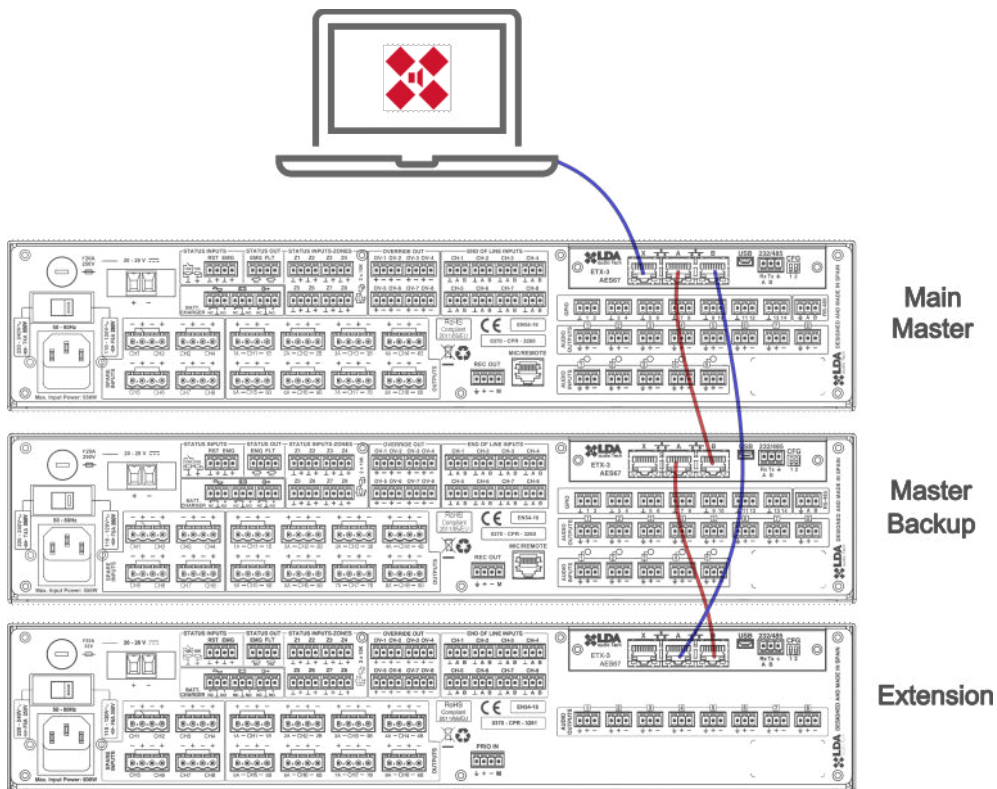


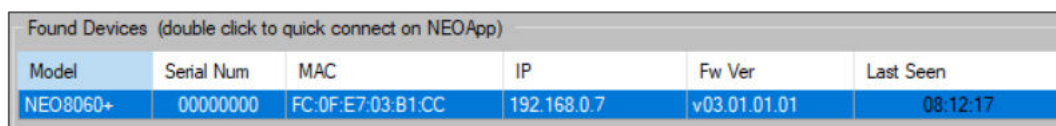
Illustration 1

## 3. Configuration

By default, the port B of the **Master** computers remain idle, which means that initially only the **Main Master** is visible on the network and is the only one with whom communication can be established using the **Discover Tool**. From this connection, the setup process will begin.

### a) MAIN MASTER CONNECTION

Using the **Discover Tool**, connect to the **Main Master**, which will be the only equipment visible in this phase due to the port B of the Master equipment being idle by default.



Model	Serial Num	MAC	IP	Fw Ver	Last Seen
NEO8060+	00000000	FC:0F:E7:03:B1:CC	192.168.0.7	v03.01.01.01	08:12:17

Illustration 2

### b) ADD EXTENSIONS

From the Main Master configuration interface, add the **NEO+ Extensions: Flexnet -> Linked Devices -> Actions -> Add New Device**.

Initially they will not be visible, so the Main Master will activate port **B** to search for them through the backup loop.

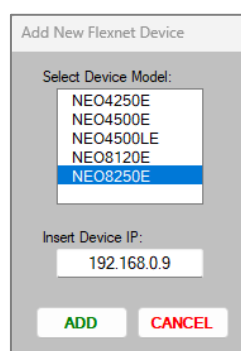


Illustration 3

During this search, temporary failures may appear in the **Local Errors** tab and on the display of the equipment, which can be ignored.

### c) ENABLE MASTER BACKUP

Once the Extensions are added, enable the **Master Backup configuration: Flexnet -> General Config -> Master Backup Configuration -> Edit -> Master Backup Enabled**.

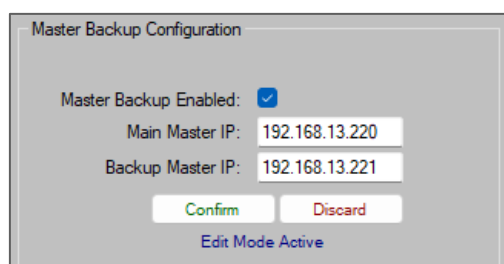


Illustration 4

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### d) EXPORT FLEXNET CONFIGURATION

Export the FlexNet configuration from the **Master Principal**, a .bin file will be generated, to replicate it in the Master Backup: *Flexnet -> General Config -> Configuration Import/Export -> Export Config*.

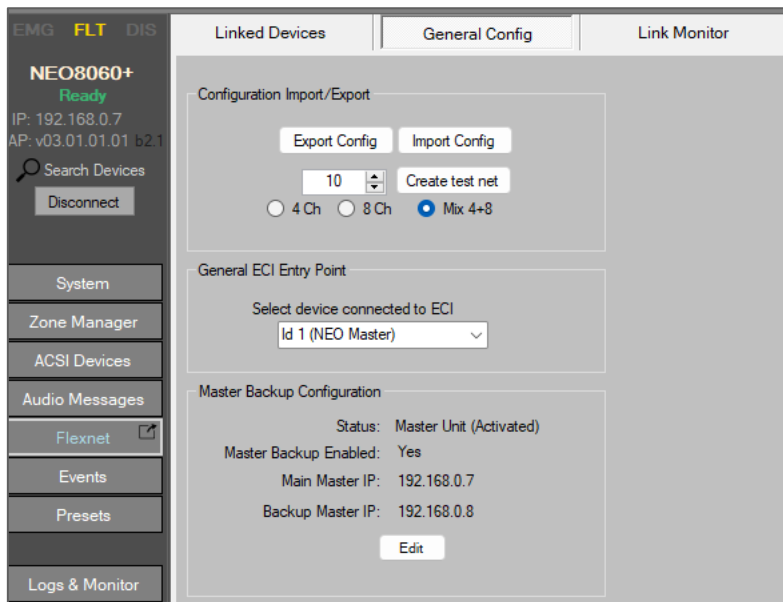


Illustration 5

### e) VIEW DEVICES IN DISCOVER TOOL

After port B activation, all additional devices, Master backup and Extensions, will be visible in the **Discover Tool**.

Found Devices (double click to quick connect on NEOApp)					
Model	Serial Num	MAC	IP	Fw Ver	Last Seen
NEO8250+	00000000	FC:0F:E7:03:29:89	192.168.0.9	v03.01.03.00	13:06:48
NEO8060+	00000000	FC:0F:E7:03:B1:CC	192.168.0.7	v03.01.01.01	13:06:48
NEO8060+	00000000	FC:0F:E7:03:6E:59	192.168.0.8	v03.01.01.01	13:06:48

Illustration 6

### f) NETWORK CONFIGURATION

Configure the IP address, mask and gateway of each device in the system (Main Master, Master Backup and Extensions): *System -> Network: IPv4 configuration*

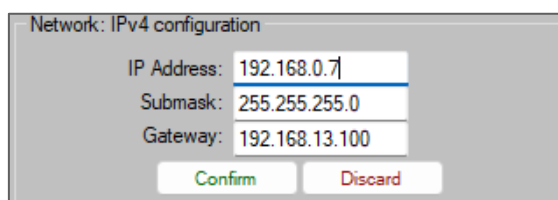


Illustration 7

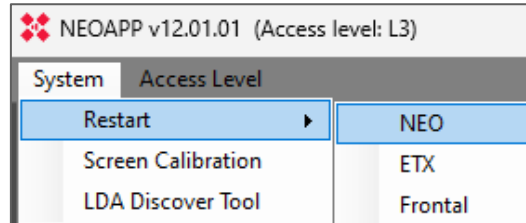
### g) MASTER BACKUP CONNECTION

Connect to the **Master Backup** and import the previously exported FlexNet configuration from the Main Master: *Flexnet -> General Config -> Configuration Import/Export -> Import Config*.

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### h) SYSTEM REBOOT

Restart both the **Main Master** and **Master Backup** to properly apply the changes. This ensures that both controllers have identical configurations, except for their IP addresses, which will define their roles in the system.



*Illustration 8*