

# Internet connection

The MK devices can operate offline, but an internet connection is required for operations such as system and content updates and enjoying web-based interactive applications. Different options apply according to the local conditions.

## Connection Options

### LAN Cable Connection

This is the default and preferred option. It requires access to a router / modem providing a network **free of proxies or firewalls**.

**Connection:** Connect the LAN cable from the router to the “LAN” port on the MK device rear panel.

### WiFi Extender

This option is used when no router / modem is available for LAN cable connection, but there are WiFi networks available. The network must be **free of proxies or firewalls**.

**Connection:**

1. Connect the WiFi Extender to a power source.
2. Connect an ethernet cable to the output connection of the WiFi Extender.
3. Connect the other end of the ethernet cable to the rear panel of the MK device.
4. Follow the instructions provided with the WiFi Extender to connect it to available WiFi networks.

**Model example:** [BrosTrend WiFi Extender AC1200](#)

## 4G/5G SIM Router (Hotspot)

This option is used when there are no routers or WiFi networks available, for example in trade shows or remote locations, or when there is a firewall on the network which cannot be disabled. It requires an external portable router / hotspot.

**Connection:**

1. Connect the 4G/5G SIM Router to a power source.
2. Connect an ethernet cable to the output connection of the 4G/5G SIM Router.
3. Connect the other end of the ethernet cable to the rear panel of the MK device.
4. Follow the instructions provided with the 4G/5G SIM Router to connect it to available WiFi networks.

**Model example:** [T-CPE301K](#)

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## Temporary connection

The MK devices require an internet connection to download content in newly-created Programs, which will then be available locally when offline. In cases where there is no available network in the dedicated location for the device, the CPU only can be taken to another location with an internet connection in order to download the content.

### Process:

1. Power off and disconnect the CPU and its power adapter.
2. When close to a router, connect the CPU to the router using the LAN cable.
3. Connect the CPU to a power supply.
4. Connect the tablet / PC / smartphone to the MK device.
5. In the Settings section, navigate to "Media Update" and click "Refresh".
6. The duration of the download will depend on the number and sizes of the content.
7. In the Settings section, click on "Power Off".
8. Disconnect the CPU and replace it in the original location.

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## Testing the internet connection

You can test your internet connection by connecting a PC or smartphone to the MK device's network, then trying to browse the internet.

- **Network:** MK#
- **Password:** broomxnet

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## Restricted Network Access

If your organization's network is protected by a firewall and has restricted access, specific ports and protocols may need to be enabled. Please contact us so we may share the corresponding instructions to your network administrator.