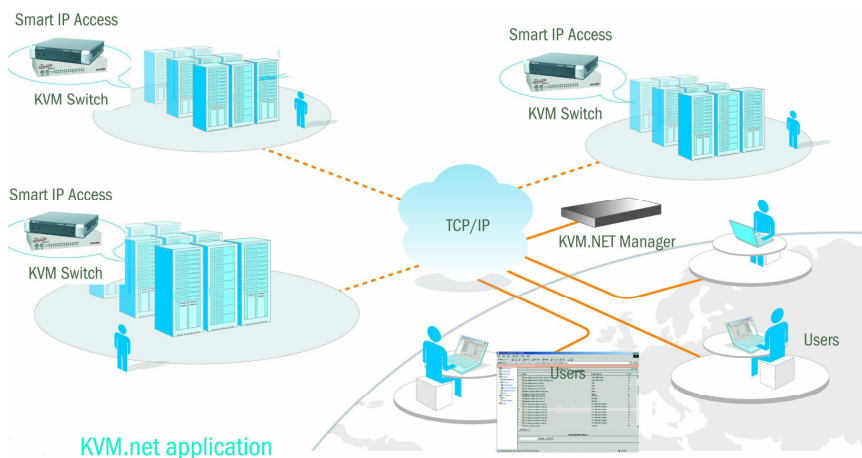


# KVM.net Manager Master/Slave Configuration Guide



[www.minicom.com](http://www.minicom.com)

## International HQ

Jerusalem, Israel

Tel: + 972 2 535 9666

[minicom@minicom.com](mailto:minicom@minicom.com)

## North American HQ

Linden, NJ, USA

Tel: + 1 908 486 2100

[info.usa@minicom.com](mailto:info.usa@minicom.com)

## European HQ

Dübendorf, Switzerland

Tel: + 41 44 823 8000

[info.europe@minicom.com](mailto:info.europe@minicom.com)

Technical support - [support@minicom.com](mailto:support@minicom.com)

## 1. Introduction

The KVM.net Manager Master (Master) replicates all data to the KVM.net Manager Slave (Slave). In the event of a failure in the Master, the Slave can take over, and operate with the most up to date database.

## 2. Connecting the Slave to the network

The Slave must reside on the same network segment as the Master.

1. Connect the Slave to a power supply outlet.
2. Connect the Slave to the network as follows: On the rear panel connect an Ethernet cable to LAN 1
3. Connect a local keyboard and monitor to the KVM interface on the Slave rear panel.
4. Power up the Slave – after about 2 minutes the login prompt appears
5. Login with the default user credentials root / access.

## 3. Setting the Slave static IP address

The Master and Slave must have different IP Addresses.

To configure a static IP address:

1. Type “**netconfig**” and press **Enter**. A confirmation dialog appears.
2. Click **Yes**. A network configuration screen appears.
3. Enter the IP address, Default Gateway, and Netmask, obtained from your System Administrator.
4. Press **OK**. The command prompt appears.
5. Type **Service network restart** for the IP changes to take affect. Or, type **reboot** for the unit to restart with its new IP parameters.

## 4. Replicating the Master database

After connecting the Slave, replicate the Master’s internal database to the Slave. Use the Master local console or putty.exe to run the script below:

1. Navigate to the folder /Replicom/Scripts.
2. Run: `./ldapreplica.sh`
3. When prompted type the IP address of the Slave.

## 5. Configuring the Master unit

After replicating the Master's database, configure the Master unit for constant replication as follows:

Using the Master local console or putty.exe run the script below:

1. Navigate to the folder /Replicom/Scripts.
2. Run: ./be\_master.sh
3. When prompted type the IP address of the Slave.

## 6. Configuring the Slave unit

Configure the Slave unit for constant replication as follows:

Using the Slave local console or putty.exe run the script below:

1. Navigate to the folder /Replicom/Scripts.
2. Run: ./be\_slave.sh
3. When prompted type the IP address of the Master.

## 7. Promoting a Slave to a primary operational Manager

When a Master unit is down or malfunctioning, you can promote the Slave to be a Master as follows:

Change the Slave IP address to match the original Master's IP address (The IP address to which all IP Access and PX devices are pointing). **Note:** Before changing the Slave IP address switch off or disconnect the original Master from the network to avoid network conflicts.

To change the Slave IP address run "Netconfig" using a local console or putty.exe.

Run the following script using the Slave local console or putty.exe:

1. Navigate to the folder /Replicom/Scripts.
2. Run: ./be\_stand\_alone.sh

## 8. Reconfiguring the Master and Slave

Once the original Master unit has returned, you can set it to be either:

- The Master, with the original Slave back to its position as Slave

Or

- As a Slave to the current Master

**Option 1: Configuring the original Master to be the Master and original Slave to be the Slave**

1. Before connecting the returned Master, change the IP Address of the original Slave to something other than the Master and Slave IP addresses. (Use “Netconfig” in the Linux shell).
2. Connect the returned Master to the network and power it on.
3. After the returned Master boots, synchronize the databases by running the `./ldapreplica.sh` script on the original Slave unit. The `ldapreplica.sh` script is located in the `/Replicom/Scripts` folder. When prompted type the repaired Master’s IP address.
4. After the script finishes, change the Slave unit to the Slave’s IP address. (Use `Netconfig` in the Linux shell).
5. On the Slave run the `./be_slave.sh` script.
6. On the Master unit run the `./be_master.sh` script. Once completed the continuous database replication starts between Master and Slave.

**Option 2. Configuring the original Slave to be the Master and the original Master unit to be the Slave.**

1. Before connecting the returned Master to the network switch it on and using the `Netconfig` utility change its IP address to the Slave IP address.
2. Connect the returned Master to the network.
3. On the original Slave unit run the `./ldapreplica.sh` script to synchronize the Slave and Master databases. When prompted type the original Master unit IP address.
4. On the returned Master run the `./be_slave.sh` script. When prompted type the original Slave unit IP address.
5. On the original Slave unit run `./be_master.sh`. When prompted type the original Master IP address.