

Hot Spare License: Setup guide

Description

This guide is a step by step on how to set a Hot-Spare unit for Datagate MK2. You will need:

- 2 Datagate MK2 Units on Enttec's latest [firmware](#)¹
- One Hot-Spare [Licence](#)

Make sure you have connected both Datagate MK2 units in the same network.

Instructions

Go to the webpage of the unit you want to set as the master unit. This unit must have Hot-spare Licence active.

Network Information

IP Address :	10.10.194.1 (Speed: 1000Mbps)
Subnet Mask:	255.0.0.0
Broadcast Address:	10.255.255.255
Serial No / Mac Address:	00:50:C2:07:C2:01
Hardware ID:	1651660b03828230
Art-Net 3 Net:	(universe range 0 - 255)

System Information

System Status:	Active	Stop Engine
Active Profile:	MASTER 007	
System Name:	Datagate2	
Packets per sec :	52 /sec	

License Information

D-PRO SHOW PLAYER	✗
ETHERNET	✓
MERGING	✓
RDM TOOLS	✓
RDM SENSORS MONITORING	✓
HOT SPARE	✓
STREAM AUDITOR	✓
TRIAL (15 MINS. TIMEOUT)	✓
Real Time Clock	✗

ENTTEC

- Home
- Profiles
- Settings
- Backup+Restore**
- Stream Auditor
- RDM Tools
- RDM Sensors
- DMX Self-Test

On the left-hand menu of the Datagate MK2 Master Unit webpage go to the Backup+Restore section

At the bottom of the Backup+Restore section you will find the Hot-Spare Settings menu

Click on the dropdown menu and select the Datagate MK2 unit you

want to use as a Backup unit

DATAGATE MK2 - BACKUP & RESTORE

Full System Backup
This backup includes all settings, options & profiles saved on this system. You can use this to restore the System to the saved state anytime. [Full Backup Now](#)

Full System Restore
Warning: This will REPLACE all options, network settings & profiles on this System.
Please make sure you are using the correct file (eg. backup_IP_Address.bak).
[Choose File](#) No file chosen [Restore System Now](#)

Individual Profile Export
Please select one Profile & Click Export
Art-Net to DMX - 8 universe Art-Net to DMX profile [Export Profile](#)

Individual Profile Import
Please make sure you are using the correct file ("profile_name.prf")
[Choose File](#) No file chosen [Import Profile](#)

Reset to Factory Defaults
Warning: This will RESET all options, settings & profiles to Factory Defaults.
Click Reset to clear all user-entered configuration and return to factory defaults.
After resetting, the Web Password will be admin
IP address might be reset (if set to DHCP)
[Reset to Factory Defaults](#)

Hot Spare Settings
Please select one Datagate to act as Spare
10.10.52.24 - Datagate2 [Select as Spare >>](#)

Once you have selected the spare unit, click on the select as Spare button

Hot Spare Settings
Please select one Datagate to act as Spare
10.10.52.24 - Datagate2 [Select as Spare >>](#)

Success in connecting to Spare (10.10.52.24).
[Please Click here to enable Hot-Spare](#)

Click the blue link to enable the Hot-Spare unit and then click on the Activate as Spare button that appears on the pop-up window.

ENTTEC SPARE SYSTEM CONTROL

Hot Spare Activate ?
Activate this Datagate as a Spare for 10.10.194.1
Warning: This will restore this Datagate to Master settings, and it will take over when Master is down
[Activate as Spare](#)

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User Manual
10.10.52.24

Check that the IP address from the master unit is the same as the IP address shown on the spare unit pop-up window

Once you activate the spare unit, the home page will change and it will indicate on the left-hand side menu that is a spare unit for a master unit. In this case the IP address for our master unit is 10.10.194.1



You can run different profiles in both units, but if the master unit fails; the spare unit will become a clone of the master unit and runs in its place. It will copy:

- Profile
- Settings

Note:

- The network parameters of the Master unit are not copied to the spare
- The IP address of the spare will be different to the master even when it becomes a clone of it
- Once the spare unit begins to run in the master's place, all data sent through ethernet need to be redirected to the IP address of the hot spare

The spare unit will copy the profile and settings from Master, only when it has been activated as Spare.

Any changes made to the Master unit, after Spare has been activated – will not be copied.

Therefore, it's important to activate Spare, only when Master has been fully configured.

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Notes:

1. At the time of writing this guide, **latest firmware was dated 10th Oct 2017**. It's important that both units are on this or a later firmware for Hot-Spare to work successfully.
2. Spare will take over Master functions, once it detects that Master unit is no longer connected to the same network. It can take a minute for this to happen.
3. Both Master and Spare must be on the same network, and configured with Static IP address, at all times
4. No changes should be made to Master unit, after Spare has been activated.