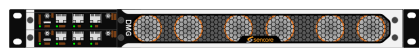# Quick Start Guide
DMG 4100/DMG 4200

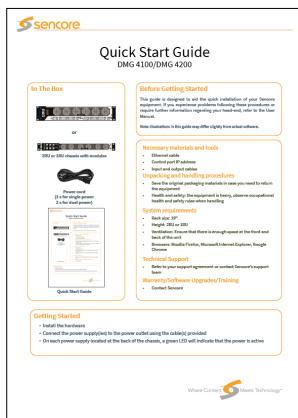## In The Box

or

2RU or 1RU chassis with modules

Power cord
(1 x for single power
2 x for dual power)

Quick Start Guide

Before Getting Started

This guide is designed to aid the quick installation of your Sencore equipment. If you experience problems following these procedures or require further information regarding your head-end, refer to the User Manual.

Note: Illustrations in this guide may differ slightly from actual software.

Necessary materials and tools

- Ethernet cable
- Control port IP address
- Input and output cables

Unpacking and handling procedures

- Save the original packaging materials in case you need to return the equipment
- Health and safety: the equipment is heavy, observe occupational health and safety rules when handling

System requirements

- Rack size: 19"
- Height: 2RU or 1RU
- Ventilation: Ensure that there is enough space at the front and back of the unit
- Browsers: Mozilla Firefox, Microsoft Internet Explorer, Google Chrome

Technical Support

- Refer to your support agreement or contact Sencore's support team

Warranty/Software Upgrades/Training

- Contact Sencore

Getting Started

- Install the hardware
- Connect the power supply(ies) to the power outlet using the cable(s) provided
- On each power supply located at the back of the chassis, a green LED will indicate that the power is active

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Design Philosophy

Sencore understands that each customer is unique - a solution designed for one customer does not necessarily suit another customer. Hence, head-ends are tailor made according to customers' specific needs - down to the available rack space. We start with an input, output, and a power module. Then, depending on your requirements, any number of combinations is possible by installing the module that corresponds to your need. In short, our promise is not a generic one size fits all solution, but a dynamic, tailor-made solution allowing for future modification.

Unit Architecture

The unit is designed with reliability and flexibility in mind. It consists of a chassis in which a number of hot-swappable cards can be installed. The chassis can be configured to host interface and processing cards according to the customer's requirements. Two different chassis variations are available - a 1RU chassis and a 2RU chassis. The product description DMG 4200 represents the 2RU chassis, while the product description DMG 4100 represents the 1RU chassis. All chassis variations use the same software platform, as well as a HW plugin cards (Except the controller cards).

The 2RU Chassis - DMG 4200

- Consists of 14 slots(1,2, ... 14).

- Slot 1 and 2 in the front, holds mandatory controller card, which also includes line card functionality.

- Slot 3->14, in the back, are optional slots for line cards.

The 1RU Chassis - DMG 4100
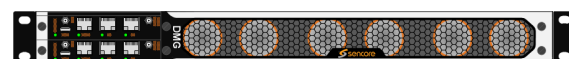
- Consists of 10 slots (1, 2, … 10).

- Slot 1 and 2 in the front, holds mandatory controller cards, which also includes line card functionality.

- Slot 3->18, in the back, are optional slots for line cards. These line cards are interchangeable between DMG 4100 and DMG 4200.

Chassis Communication

In the chassis, the required controller card provides all the communication between all modules allowing 1 to 1 communication between another. With dual controller cards fitted the internal network paths are duplicated allowing seamless switch behavior internally.

Access to the unit is provided via the control port of the controller card. The controller card also stores the configurations of all the cards.

Control Port
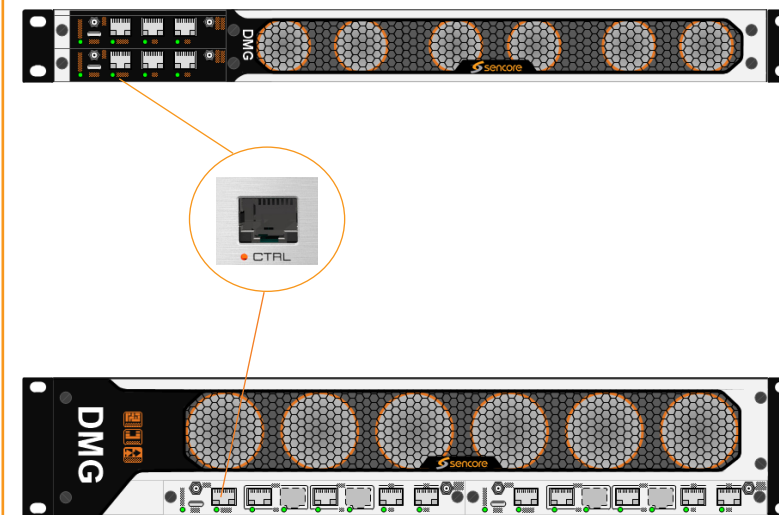
Connecting to the device

- Connect the control port on the switch/controller card to a PC using an Ethernet cable.

- Set the IP address of the PC's Ethernet to a fixed address in the same segment, e.g 192.168.1.99

- Use default login user admin, without a password.

- Type the default IP address of the unit: https://192.168.1.100 in the web browser to display the user interface.

If the IP setting has been lost, a DIP switch can be used to restore factory defaults. Refer to the User Manual for more information.
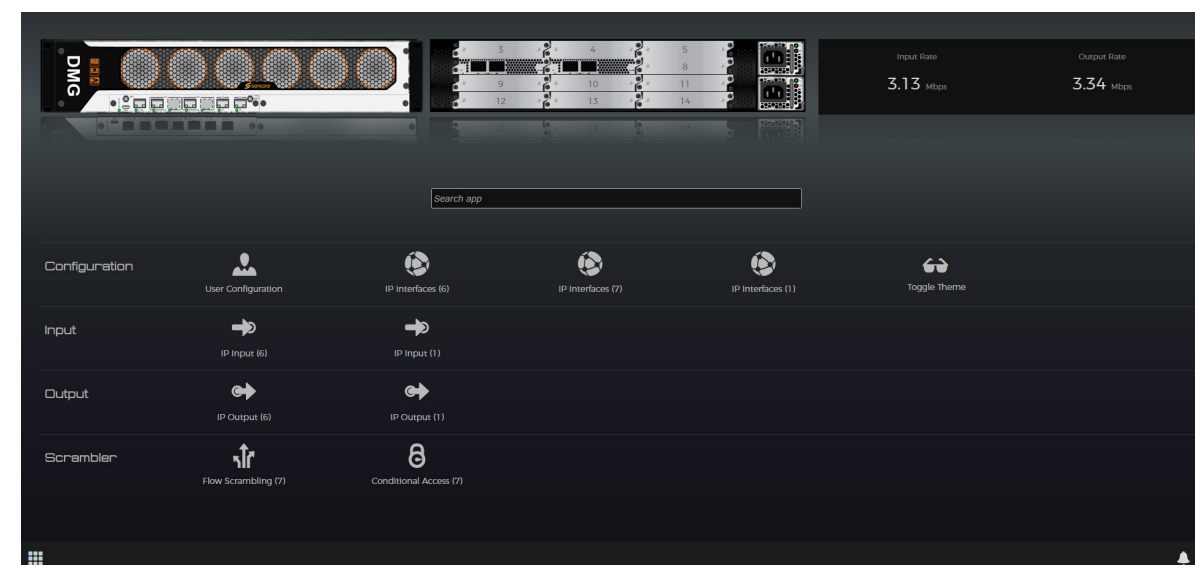
Desktop

The desktop is the main application launcher and system status window. The upper part shows the hardware configuration and key status regarding received and transmitted bitrate of the cards.

The center part is the application launcher section. As applications are launched they will appear along the lower edge of the desktop for easy access later. In case of many application the search window can be used to search for applications.

To revert to the desktop from an application press the icon in the lower left corner.

In the right corner the circles appear when there are active alarm, click the circles to see which ones. The alarm history is accessible via the bell symbol, and the person symbol provides info about the current user.

Admin | Control card

Once the login is complete the desktop will appear.

To configure personalized login, launch the User Configuration application and add the appropriate users.

Admin: All rights

Expert: As Admin, but not allowed to configure interface IP addresses.

Engineer: As Engineer, but not allowed to add and remove flows in the system, only to change the content.

Operator: View only rights
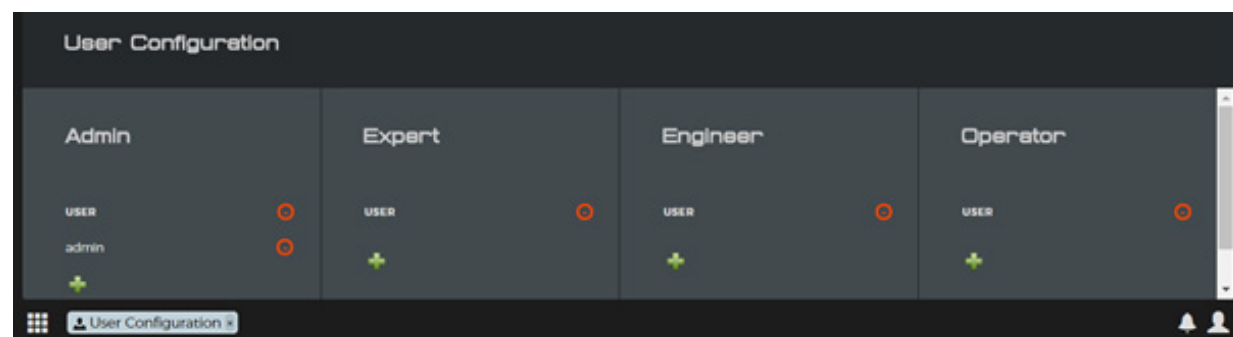
Still as the Admin user launch the IP interfaces application for the installed modules and configure the IP addresses of the interfaces. For the Data ports use the RX and TX checkboxes to open the Receive and Transmit features respectively.
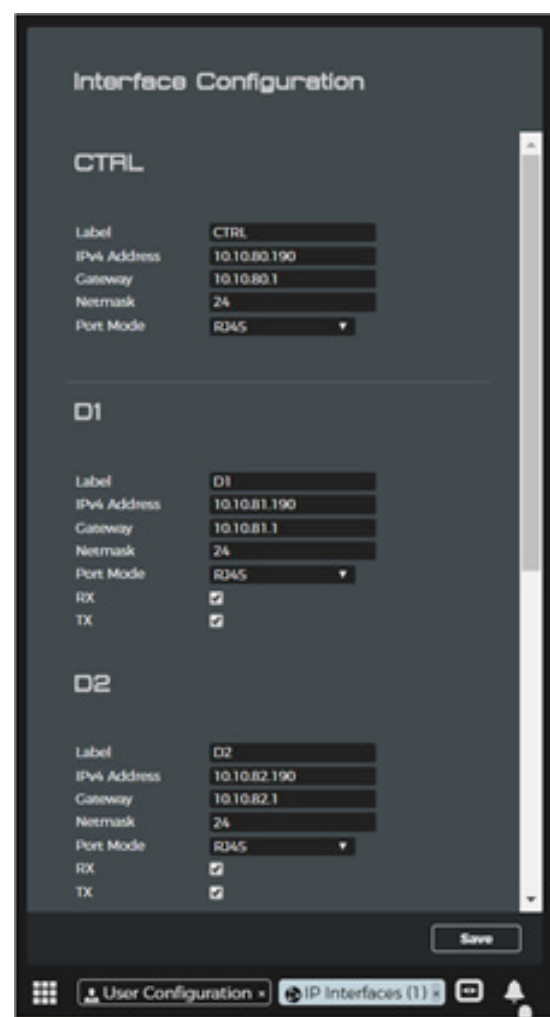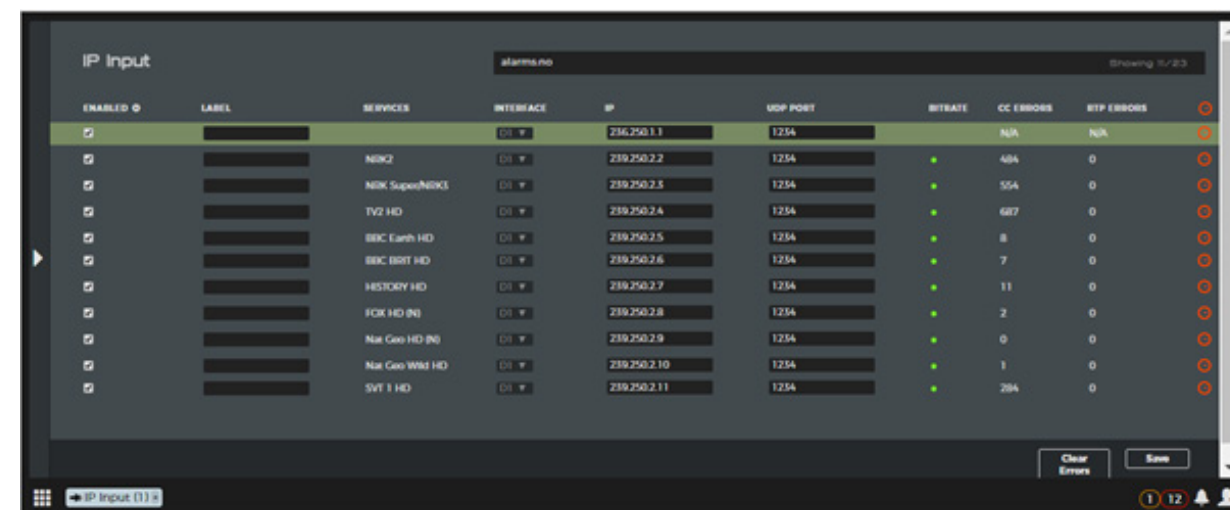
Configuring an input

From the desktop launch the IP input application of the desired slot (indicated in the parenthesis on the application name).

Once on the input application, expand the left side by clicking the arrow to access the menu for adding new sources.
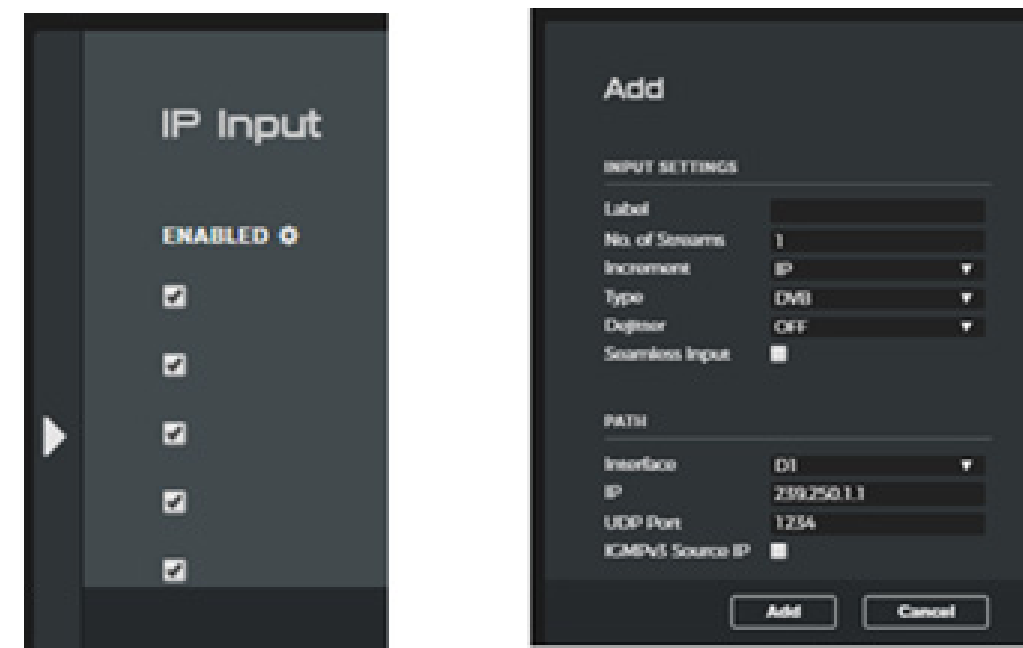

To add a new source define the incoming multicast/unicast address and hit Add.

The new source appears in the input list view, highlighted. It is now possible to make changes before saving the changes to the system. Once saved the input analysis starts and indicates if the input is available via the bitrate, CC counter and the RTP counter. If the input contains DVB services they will be listed under services column.

Configuring an output

As for the input the output application the action buttons are located behind the expansion arrow on the left hand side. So to add a new output, expend the left pane and select the source to be added. Use Service / TS / RTP buttons to select the type of input presentation to be used.
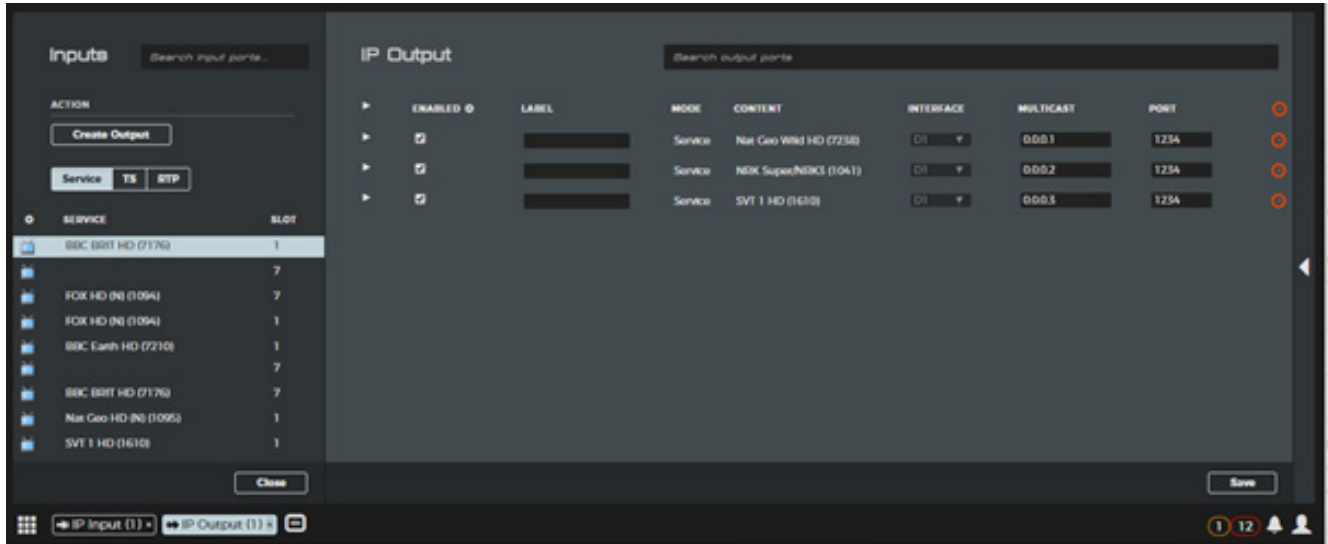
Select the source, fill in the parameters and hit Create Output

As for the input, the stream to be created will be listed, and changes can be done before the output is saved and activated in the system. To make changes, select the output and the edit dialog appears on the rigth hand side.
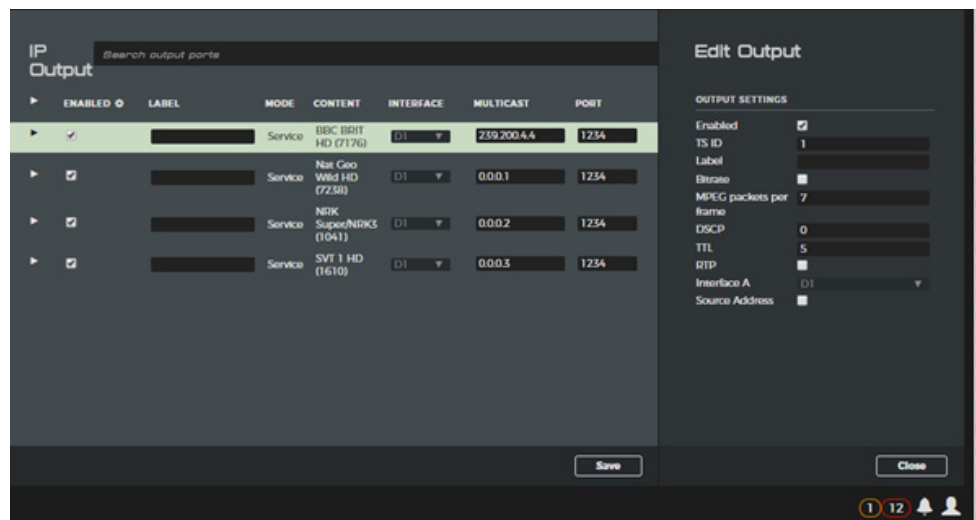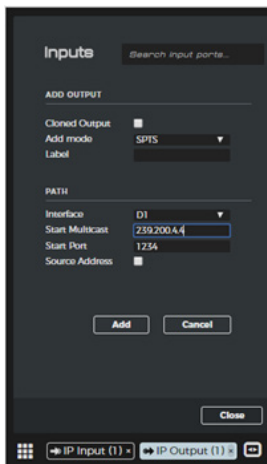
Save the changes, and the output will be activated.

Contact Sencore

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