

Welcome to the *Ellipse 3000 Release 3.3 Quick Start Guide*. This guide includes the following sections:

- [Requirements](#)
- [Quick Setup Instructions](#)

## Requirements

The following table provides the requirements checklist for a quick setup of the Ellipse 3000 Release 3.3 after the physical installation of the unit in its location.

✓	Requirement	Information
	IP Address	
	Subnet Mask	
	Default Gateway	
	TS Bitrate	
<b>Video Related Requirements</b>		
	Physical Input	
	Codec Profile	
<b>Audio Related Requirements</b>		
	Coding Scheme	
	Source	
<b>Others</b>		
	Node IP Address <sup>1</sup>	
	Node Subnet Mask <sup>1</sup>	
	Node Default Gateway <sup>1</sup>	
	Destination IP <sup>1</sup>	
	Destination Port <sup>1</sup>	
	RF Parameters <sup>2</sup>	

1. Only needed if you are using a configuration with an IP Output Port.
2. Only needed if you are using a configuration with a modulator.



**NOTE:** To access a unit that has not been used, you don't need a user name and password. If you do need a password, use *admin* (user name) and *ellipse* (password).

## Quick Setup Instructions

The Quick Setup Instructions are based on 10 different procedures that need to be executed in the set order to get a positive result. The procedures are:

- [Starting the Ellipse 3000 Release 3.3](#)
- [Setting the Factory Default \(Optional\)](#)
- [Configuring the Modulator \(Only relevant for Ellipse 3200 and 3202\)](#)
- [Configuring the TS Bitrate](#)
- [Configuring the Video Inputs and Encoding](#)
- [Configuring the Audio](#)
- [Setting the Services](#)
- [Configuring the IP Output Port](#)
- [Starting the Transmission \(Only relevant for Ellipse 3200 and 3202\)](#)
- [Verifying the Ellipse 3000 Release 3.3 Status](#)

### Starting the Ellipse 3000 Release 3.3

To configure the Ellipse 3000 for the network:

1. Using the front panel, navigate to **Configuration > Unit > System > Ethernet Port (Management)**.
2. Configure the management port using the following parameters:
  - **IP Address**
  - **Subnet Mask**
  - **Default Gateway**
3. Press **F1** to apply the changes.
4. Connect the management port on the rear panel, labeled **MNG**, to the network.
5. To access the GUI over the network, enter the IP address of the unit in your browser.



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**NOTE:** If the user name and password are required, use respectively **admin** and **ellipse**.

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### Setting the Factory Default (Optional<sup>1</sup>)

To set the factory default:

- ❖ On the left side of the Web Manager, select **\_factory\_setting.db** from the Select Preset drop-down menu.

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1. Use this procedure if you get a used unit and you want to reset the configuration.

## Configuring the Modulator (Only relevant for Ellipse 3200 and 3202)

To configure the Modulator:

1. Navigate to **Dashboard > Modulator**.
2. Configure the RF parameters.
3. Click **Apply**.

## Configuring the TS Bitrate




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**NOTE:** If you use an Ellipse 3200 or 3202, the total bitrate is calculated via the RF parameters and then you can skip the *Configuring the TS Bitrate* procedure.

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To configure the transport stream output rate:

1. Navigate to **Dashboard > Transport > Output Rate [bps]**.
2. Enter the Transport Stream Output Rate.
3. Click **Apply**.

## Configuring the Video Inputs and Encoding

To configure the video inputs and encoding:

1. Navigate to **Dashboard > Video**.
2. Select the required **Physical Input** parameter from the **Physical Input** drop-down menu.
3. Select the required **Codec Profile** parameter from the **Codec Profile** drop-down menu.
4. Click **Apply**.




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**NOTE:** For testing purposes, you can select **Flicker Pattern** as Video Source in **Dashboard > Video**.

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## Configuring the Audio

To configure the audio:

1. Navigate to **Dashboard > Audio**.
2. Configure the following audio parameters:
  - a. **Coding Scheme**
  - b. **Source**
3. Click **Apply**.




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**NOTE:** For testing purposes, you can set Test Tone to **On**.

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**NOTE:** You can configure up to 8 audio channels (according to the unit's HW and licenses).

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## Setting the Services

To set the services:

1. Navigate to **Dashboard > Transport**.
2. Make sure that all relevant PIDs are selected.
3. Click **Apply**.

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## Configuring the IP Output Port<sup>1</sup>

To configure the IP Output Port:

1. Navigate to **System > IP**.
2. In the DVBoIP1 or DVBoIP2 section, configure the following output *source* parameters:
  - ❑ **Node IP Address**
  - ❑ **Node Subnet Mask**
  - ❑ **Node Default Gateway**
3. Navigate to **Dashboard > IP Outputs**.
4. Configure the following *destination* parameters:
  - a. **Destination IP** and **Destination Port** – Set these parameters in the relevant IP Outputs boxes (IP1/IP2).
  - b. **Activation** – Set this parameter to **Enabled**.
5. Click **Apply**.

## Starting the Transmission (Only relevant for Ellipse 3200 and 3202)

Set the following two parameters at the top row of the GUI:

1. **Carrier** – Set to **Full** or **Reduced**.
2. **Modulation** – Set to **On**.

## Verifying the Ellipse 3000 Release 3.3 Status

To verify the status:

1. Make sure that on the right side of the Web Manager:
  - ❑ The **Service** window displays all the encoding types and actual **Output bitrates**.
  - ❑ The **Output** window displays the total bitrate and **Total Stuffing** information.
  - ❑ The **Modulator** section displays the main RF configurations.
  - ❑ Make sure that the **Modulation** and **Carrier** indicators at the top of the Ellipse GUI display respectively **On** and **Full** or **Reduced** and have a green background.
  - ❑ Make sure that the Alarm indicator at the top of the Ellipse GUI displays **“0”** and has a green background.

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1. Only if you are using a configuration with an IP Output Port.