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.

<table>
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<tr>
<th>✓</th>
<th>Requirement</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>IP Address</td>
<td></td>
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<tr>
<td></td>
<td>Subnet Mask</td>
<td></td>
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<tr>
<td></td>
<td>Default Gateway</td>
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<tr>
<td></td>
<td>TS Bitrate</td>
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</table>

#### Video Related Requirements

|   | Physical Input          |             |
|   | Codec Profile           |             |

#### Audio Related Requirements

|   | Coding Scheme           |             |
|   | Source                  |             |

#### Others

|   | 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.

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

Setting the Factory Default (Optional\(^1\))

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

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.

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.

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

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.

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

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

Setting the Services

To set the services:
1. Navigate to Dashboard > Transport.
2. Make sure that all relevant PIDs are selected.
3. Click Apply.
Quick Setup Instructions

Configuring the IP Output Port

To configure the IP Output Port:

1. Navigate to System > IP.
2. In the DVBolP1 or DVBolP2 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.

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.

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