



Dialogic[®] IMG 1004 Integrated Media Gateway

Quick Start Guide

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www.dialogic.com

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<http://www.dialogic.com/warranties>

IMPORTANT NOTE:

Please be aware that the following terminology and abbreviations are used throughout this document. Please also be sure to consult the legal notice for other important details.

When used herein, the term "IMG 1004" refers to the "Dialogic® IMG 1004 Integrated Media Gateway" product.

When used herein, the term "GCEMS" refers to the "Dialogic® Gate Control Element Management System"

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Revision history

Revision	Release date	Notes
07-8754-02	April 2009	N/A
Last modified: 03/10/2010		

Refer to <http://www.dialogic.com> for product updates and for information about support policies, warranty information, and service offerings.

Overview

This IMG 1004 Quick Start Guide is an abbreviated guide which explains how to connect power and network cabling. For more information on installation and setup, please reference the online documentation at <http://www.dialogic.com/manuals>.

Note: To access the Dialogic Technical Support website, a support contract with Dialogic must be obtained. Once the support contract is obtained, a username and password will be supplied via email. Use the credentials supplied to log on to the Dialogic Technical Support Website to access software upgrades etc.

Shipping Information

Review the packing list to check that all the items listed on the packing list have been sent. Should any discrepancies exist, contact your Dialogic Representative immediately.

Connecting AC Power

Power Specifications

The IMG 1004 is powered by an AC voltage. The AC input power must conform to the specifications in the table below. Insert one end of AC cord into rear of IMG 1004 and the other end into a grounded wall outlet, uninterruptible power supply (UPS), or surge protector.

	AC	Operating Range
Power	120 – 240 VAC / .65 - .25 Amps	90 – 240 VAC
Frequency	50 or 60 Hz	50-60 Hz

AC Power Module

Located on the rear of the IMG 1004 is an AC input power module with an integrated fuse, power switch, and standard three position female AC input connector. This connector allows the docking station to interface with all variations of AC outlets by simply using a standard power cable and compatible outlet plug. See IMG 1004-Installation and Setup Guide > IMG 1004-Hardware Installation in online documentation.

Configuring Linux on GCEMS server

IMPORTANT: Please read and understand the IMG 1004 technical documentation prior to performing any setup or installation procedures. The documentation can be accessed through the following site: <http://www.dialogic.com/manuals>

If the IMG 1004 was purchased with the GCEMS Server then the Linux Red Hat Operating System and GCEMS application have already been installed. Downloading System Software to the IMG 1004 will be the next step to getting the IMG 1004 configured. See topics under IMG 1004-Installation and Setup Guide > IMG 1004-Software Installation and Setup in online documentation.

If server was not purchased, then a server must be configured with Red Hat Enterprise Linux. The IMG 1004 supports Red Hat Enterprise Linux 3, Red Hat Enterprise Linux 4 and Red Hat Enterprise Linux 5. Refer to the individual topics located under each of the following headings in the Online Documentation for more information on configuring the Linux Server.

- IMG 1004-Installation and Setup Guide > IMG 1004-Linux Red Hat Installation
- IMG 1004-Installation and Setup Guide > IMG 1004-Software Installation and Setup
- IMG 1004-Installation and Setup Guide > IMG 1004-SD Card
- Configuring Services on GCEMS Server

Connecting and Configuring Network Management Port 'CTRL'

The information below will provide the user with a basic setup sequence for connecting and configuring the IMG 1004 along with the GCEMS server to download system software and start configuring the IMG 1004 using the ClientView GUI. On the rear of the IMG 1004 are the network interfaces. The first interface -CTRL - is a Fast Ethernet port dedicated to network management. This port is connected to the GCEMS server and allows the GCEMS server to access the IMG 1004.

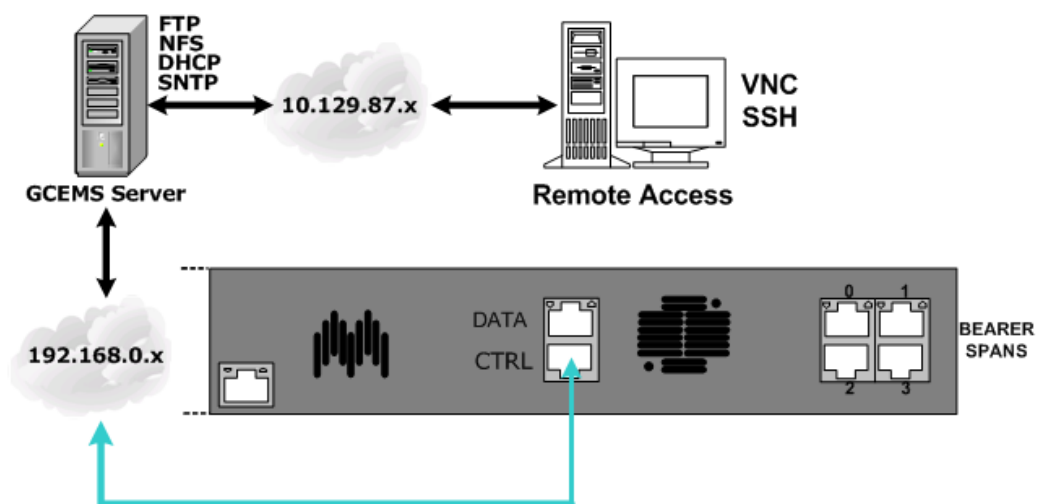
1. Connect up the cables as shown in the first figure below.
2. Once the cables are connected, configure FTP and DHCP on the GCEMS server. Locate the MAC address which is printed on a label located on the rear panel of the IMG 1004. This will be used in the dhcpd.conf file creation.

For more information on how to set up the services above refer to the topics under the following sections in the online documentation

- IMG 1004-Installation and Setup Guide > IMG 1004-Software Installation and Setup

If setup requires using an SD card to load system software refer to the topics under the IMG 1004-SD Card heading below in Online Documentation.

- IMG 1004-Installation and Setup Guide > IMG 1004-SD Card



Installing GCEMS Software.

To take advantage of all new features, it is recommended that the latest version of GCEMS software be installed on the GCEMS Server. The most current software can be obtained from the Dialogic Technical Support website.

1. Go to the Dialogic Support Technical Website at <http://www.dialogic.com/support>
2. Select '**Downloads**'. You will require a logon username and password to access the downloads site. (A support contract is needed to access this site.) Within this site will be two software binary files with the following format. Download the latest version of these files.

- IMG_10.5.x.135.bin
- IMGUserInterface_10.5.x.135.bin

NOTE: If you do not have a support contract with Dialogic, then the software supplied to you on the Software CD can be used.

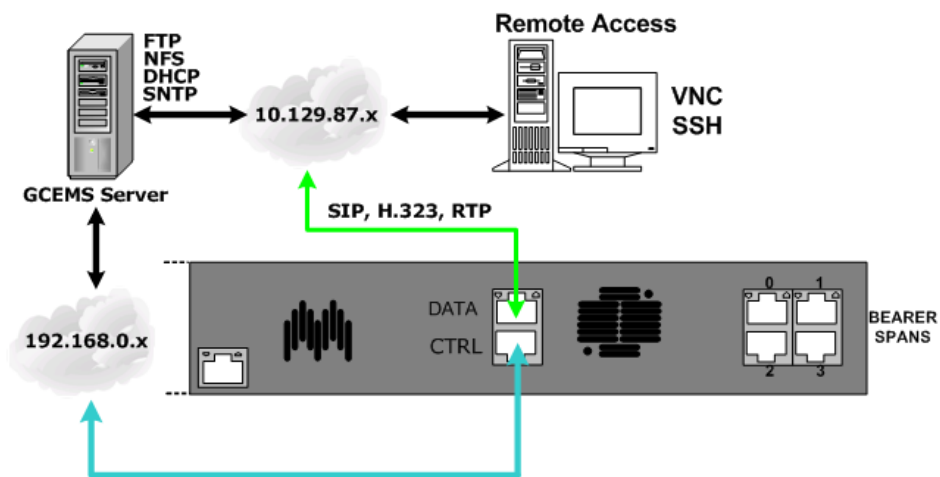
3. Refer to the topics under the following headings in the Online Documentation to install the GCEMS software
- IMG 1004-Installation and Setup Guide > IMG 1004-Software Installation and Setup

Connecting DATA Port

1. The port DATA that is located on the rear of the IMG 1004 is a 100 Mbit port and is dedicated to VoIP Bearer traffic. The DATA port can be either on the same IP network as the management network, or can be connected to a separate network. See the topics under the following headings in the Online Documentation for more information.

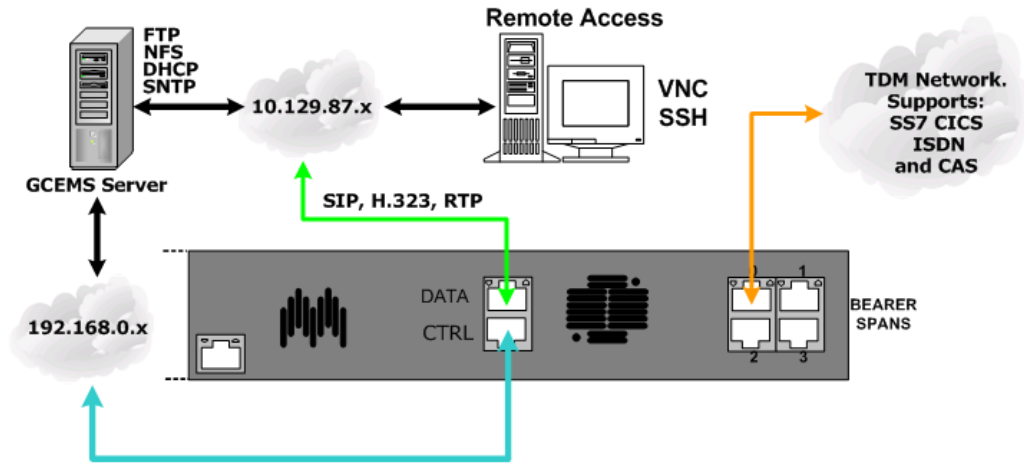
- IMG 1004-Installation and Setup Guide > IMG 1004-Hardware Installation

Note: The IP addresses for these ports will be assigned through the ClientView GUI. See the ClientView section below for more information.



Connecting TDM Signaling and Bearer Ports

- The Bearer ports (Interface Offsets) 0-4 are connected to the TDM network. Each Bearer Port can have signaling and bearer channels configured on it.
- ISDN D-channels and B-Channels are brought in over the Bearer Ports
- CAS signaling and voice channels are brought in over the Bearer Ports
- SS7 Links are brought in over Bearer Ports.



Starting ClientView to start Configuring Switch

Once the IMG 1004 has software installed, the cabling is connected, and the GCEMS server has been configured, the ClientView application can be used to configure the system. Below are a few topics from the Online Documentation to get started on configuring the IMG 1004 through the ClientView GUI.

- Configuration > ClientView > (All topics under this book)
- Configuration > Introduction
- Configuration > Node Configuration Wizard
- Configuration > Basic Configuration

From here, the IMG 1004 can be configured for your network. Use the Online Manual for configuration, Clientview, and ClientView Pane sections to configure the IMG 1004.