DGE-100/DM-DGE-200-C

Digital Graphics Engines

Supplemental Guide

Crestron Electronics, Inc.

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Contents

Access the Setup Screens 1

Configure the DGE 2

Ethernet Setup 2
IP Table Setup 3
Audio Setup 5
Standby Timeout 6
Diagnostics 7
Touch Test 8
LAN Test 8
Test Patterns 9
HDMI Preview (DGE-100 Only) 9
Local Video Preview (DM-DGE-200-C Only) 10
RTSP Test 10
About 11
Save & Edit 11

DGE-100/DM-DGE-200-C: Digital Graphics Engines

Access the Setup Screens

The setup screens enable basic configuration prior to regular operation of the Crestron® DGE-100 and DM-DGE-200-C.

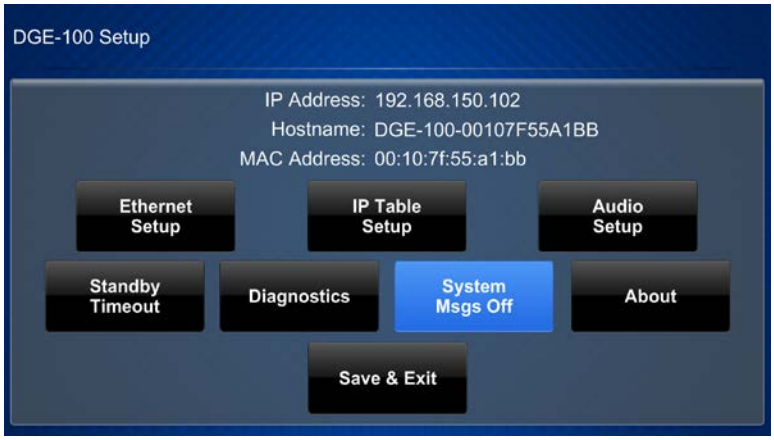
The DGE-100 and DM-DGE-200-C are functionally similar. For simplicity within this guide, the term “DGE” is used except where noted.

During regular operation of the DGE, there are two ways to access the setup screens:

1. Place a button on the project main page and assign the reserved join number (17242) that accesses the setup screens.
2. Press the SETUP button on the DGE.

The main setup screen is displayed.

Setup Screen



The setup screen is composed of buttons for Ethernet setup, IP table setup, audio setup, standby timeout, and diagnostics. In addition, there is a button to toggle system messages on or off, an About button that provides information about the touch screen, and a Save & Exit button. The functions of each are detailed in the following pages of this guide.

Configure the DGE

Ethernet Setup

On the main setup screen, tap **Ethernet Setup** to display the **Ethernet Setup** screen.

Ethernet Setup Screen

The **Ethernet Setup** screen displays the DGE's MAC and IP addresses, subnet mask, default router, primary and secondary DNS, hostname, and domain. There are controls for turning DHCP on and off, and when DHCP is off, a **Set Static IP Address Settings** button provides access to controls that allow editing of these settings. This screen also contains a link indicator to show the status of the Ethernet connection.

DHCP is enabled by default. To change to a static IP address, tap **Off** under **DHCP Enabled**, and then tap **Set Static IP Address Settings** to display the **Ethernet Setup - Static IPs** screen.

Ethernet Setup - Static IPs Screen

To edit the static IP address, static subnet mask, static default router, preferred DNS, or alternate preferred DNS, tap the button directly under the label for the entry to edit. The on-screen numeric keypad opens.

On-Screen Numeric Keypad

Tap the "x" in the text field to clear any previous entry. Use the keypad to make the new entry. Tap to delete the last digit. Tap **Save** to save the new entry or to return to the **Ethernet Setup - Static IPs** screen.

After new settings have been saved, tap **Reboot** on the **Ethernet Setup - Static IPs** screen to reboot the DGE so that the new settings can take effect.

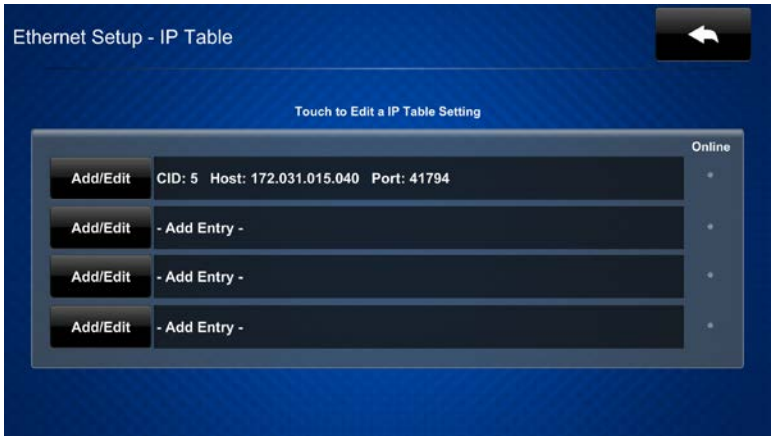
If not making any changes, tap to return to the **Ethernet Setup** screen.

Tap again to return to the main setup screen.

IP Table Setup

On the main setup screen, tap **IP Table Setup** to display the **Ethernet Setup - IP Table** screen.

Ethernet Setup - IP Table Screen



The **Ethernet Setup - IP Table** screen displays up to four IP table settings, each of which has an **Online** indicator. To add or edit an entry, tap the **Add/Edit** button to its left. The **Ethernet Setup - Edit IP Table Entry** screen is displayed.

Ethernet Setup - Edit IP Table Entry Screen

Tap the field below CIP ID to display the on-screen hex keypad.

On-Screen Hex Keypad

Tap the “x” in the text field to clear any previous entry. Use the keypad to make the new entry. Tap to delete the last digit. Tap Save to save the new entry or to return to the Ethernet Setup - Edit IP Table Entry screen.

Tap the field below IP Address/Hostname to display the on-screen keyboard.

On-Screen Keyboard

Tap the "x" in the text field to clear any previous entry. Use the keyboard to make the new entry. Tap **Cancel** to return to the **Ethernet Setup - Edit IP Table Entry** screen. Tap to delete the last digit. Tap **Save** to save the new entry and return to the **Ethernet Setup - Edit IP Table Entry** screen.

On the **Ethernet Setup - Edit IP Table Entry** screen, tap **Save Entry** to save the current entry or **Delete Entry** to clear it.

If not making any changes, tap to return to the **Ethernet Setup - IP Table** screen.

Tap again to return to the main setup screen.

Audio Setup

On the main setup screen, tap **Audio Setup** to display the **Audio Setup** screen.

Audio Setup Screen

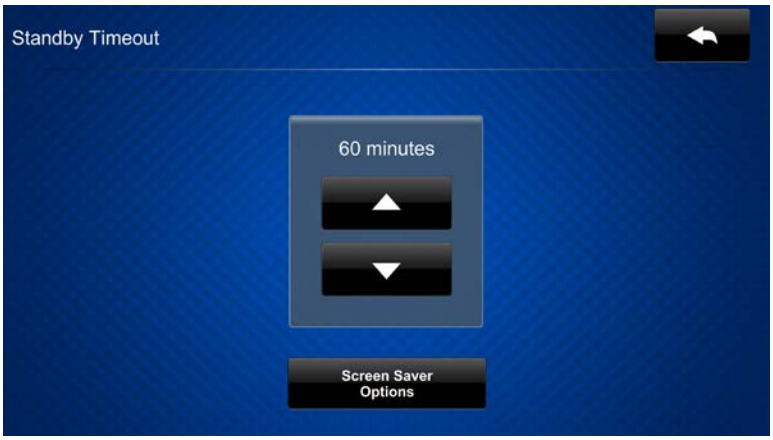
The **Audio Setup** screen provides controls for muting or unmuting the audio, and for adjusting levels for the master volume, media volume, and beep volume. The **Media Volume** controls adjust the H.264 streaming media level in relation to the **Master Volume** controls.

Tap to return to the main setup screen.

Standby Timeout

On the main setup screen, tap **Standby Timeout** to display the **Standby Timeout** screen.

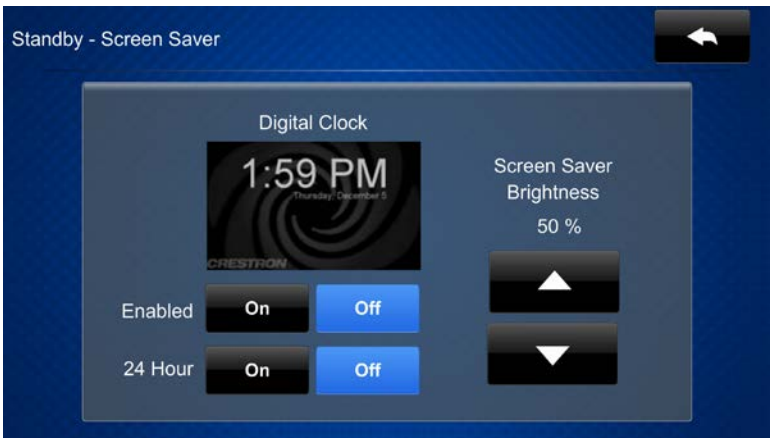
Standby Timeout Screen



The **Standby Timeout** screen provides controls to adjust standby timeout from 0 to 120 minutes.

Tap **Screen Saver Options** to display the **Standby - Screen Saver** screen.

Standby - Screen Saver Screen



The **Standby - Screen Saver** screen provides controls to turn the digital clock screen saver on and off, as well as controls to display the time in a 24-hour format and to adjust the screen saver brightness.

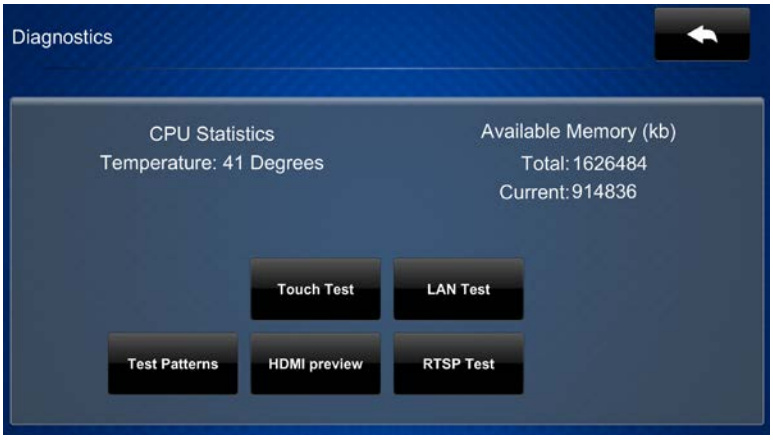
Tap to return to the **Standby Timeout** screen.

Tap again to return to the main setup screen.

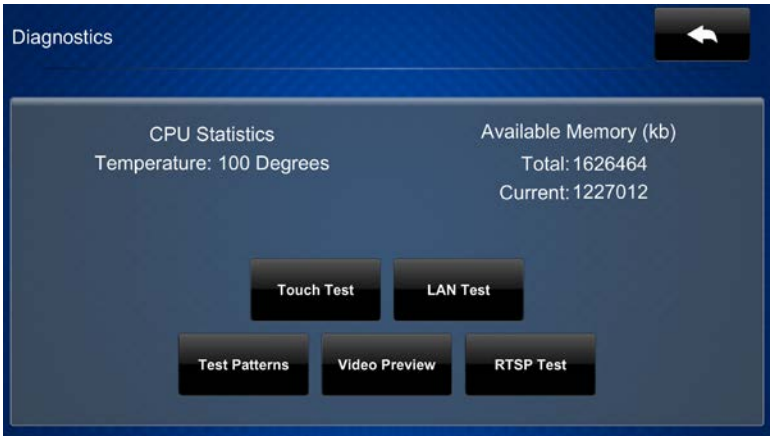
Diagnostics

On the main setup screen, tap **Diagnostics** to display the **Diagnostics** screen.

Diagnostics Screen (DGE-100)



Diagnostics Screen (DM-DGE-200-C)

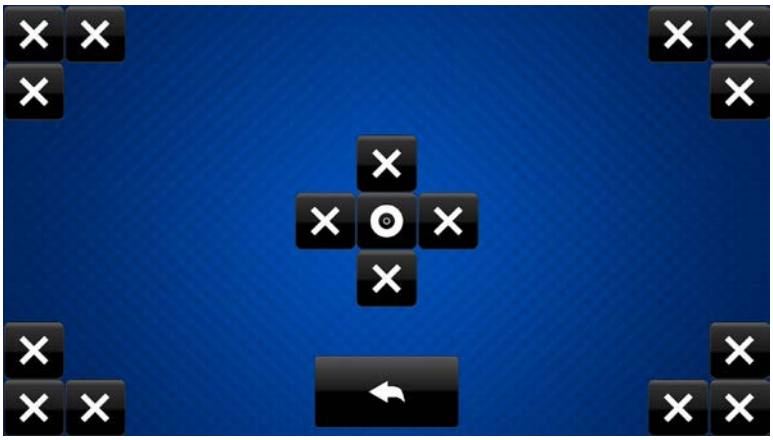


The **Diagnostics** screen displays the CPU temperature and the available memory, and it provides controls to open various test screens. These are explained in the sections that follow.

Touch Test

On the **Diagnostics** screen, tap **Touch Test** to display the touch test screen.

Touch Test Screen



The touch test screen can be used to test the function of the screen. When a location button is tapped, its indicator on the screen lights.

Tap to return to the **Diagnostics** screen.

LAN Test

On the **Diagnostics** screen, tap **LAN Test** to display the **Diagnostics - LAN** screen.

Diagnostics - LAN Screen

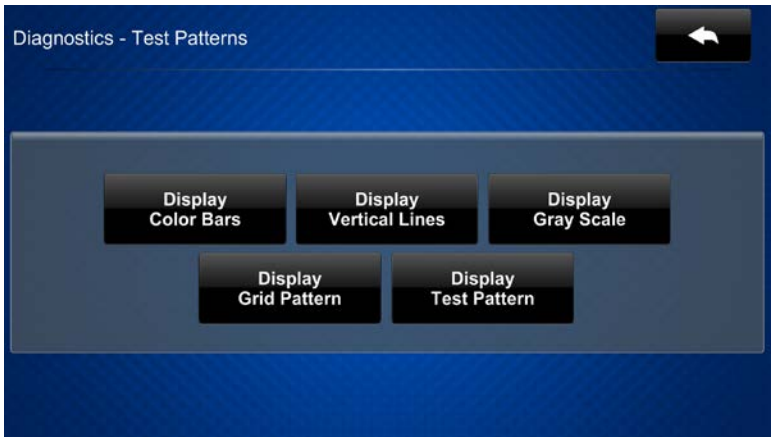
The **Diagnostics - LAN** screen displays the touch screen's MAC and IP addresses, subnet mask, default router, primary and secondary DNS, hostname, and domain. This screen also contains a Link indicator to show the status of the Ethernet connection, and controls to test the connection to the default router.

Tap to return to the **Diagnostics** screen.

Test Patterns

On the **Diagnostics** screen, tap **Test Patterns** to display the **Diagnostics - Test Patterns** screen.

Diagnostics - Test Patterns Screen



The **Diagnostics - Test Patterns** screen provides buttons for selecting the different available test patterns: **Display Color Bars**, **Display Vertical Lines**, **Display Gray Scale**, **Display Grid Pattern**, and **Display Test Pattern**.

Tap to return to the **Diagnostics** screen.

HDMI Preview (DGE-100 Only)

On the **Diagnostics** screen, tap **HDMI preview** to display the **Diagnostics - HDMI Preview** screen.

Diagnostics - HDMI Preview Screen

The **Diagnostics - HDMI Preview** screen provides a view of the HDMI® input, as well as controls to adjust the volume and mute the audio.

Tap to return to the **Diagnostics** screen.

Local Video Preview (DM-DGE-200-C Only)

On the **Diagnostics** screen, tap **Video Preview** to display the **Diagnostics - Local Video Preview** screen.

Diagnostics - Local Video Preview Screen

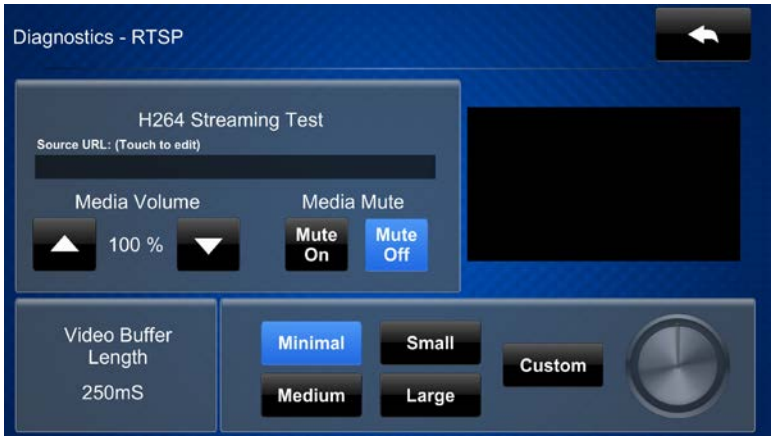
The **Diagnostics - Local Video Preview** screen provides views of the HDMI or DM® inputs, as well as controls to adjust the volume and mute the audio.

Tap to return to the **Diagnostics** screen.

RTSP Test

On the **Diagnostics** screen, tap **RTSP Test** to display the **Diagnostics - RTSP** screen.

Diagnostics - RTSP Screen



The **Diagnostics - RTSP** screen is used to test whether Real Time Streaming Protocol is functioning on the touch screen. Tap the area below **Source URL: (Touch to edit)** to open the on-screen keyboard. Enter the URL for an H.264 video and then tap **Save**. The video is displayed on the right side of the **Diagnostics - RTSP** screen. The bottom part of the screen provides controls to select among video buffer lengths, or to select a custom length adjustable via a virtual knob.

Tap to return to the **Diagnostics** screen.

Tap again to return to the main setup screen.

About

On the main setup screen, tap About to display the About screen.

About Screen

The About screen displays information about the DGE, including the currently loaded firmware and operating system versions.

Tap to return to the main setup screen.

Save & Edit

On the main setup screen, tap Save & Exit to save all settings, exit the setup screens, and return to the main project.

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