

Sage Digital ENDEC 3644 Setup

The Sage Digital ENDEC 3644 connects to the MC1-MK via the Comtrol® DeviceMaster® over ethernet. For information on configuring a Comtrol DeviceMaster, refer to the openGear DeviceMaster Setup Sheet (Ross Part Number MC1MKDR-100).

Cabling

Refer to the Sage Digital ENDEC documentation for specific cabling requirements.

Sage Digital ENDEC to Comtrol DeviceMaster

The Sage Digital ENDEC connects to the Comtrol DeviceMaster via one of the **Serial Com** ports on the Sage Digital ENDEC and the **COM 1** Port on the Comtrol DeviceMaster. Refer to **Figure 1** on the last page for a cabling overview.

You will need a DB-9 female to DB-9 female null modem cable. Ross Video does not supply this cable.

Sage Digital ENDEC to MC1-MK

To enable PTT audio voice over, connect the **Enc Rly** port on the Sage Digital ENDEC to the **GPI 1** port on the MC1-MK rear module (8320AR-033). Ross Video does not supply this cable. Ensure that the **Enc Rly** port is configured for PTT Relay programming.

Refer to the *MC1-MK Installation Manual* for pinout information for **GPI 1**.

Sage Digital ENDEC to MUX-8258-C

The Sage Digital ENDEC connects to the MUX-8258-C via two ports.

Connect the **Main/Alert Audio Out L** port on the Sage Digital ENDEC and **ANLG 1 IN** on the MUX-8258-C rear module (8320AR-034).

Connect the **Main/Alert Audio Out R** port on the Sage Digital ENDEC and **ANLG 2 IN** on the MUX-8258-C rear module.

You will need two XLR cables. Each cable must include an XLR-3F 3-pin female connector (to connect to the Sage Digital ENDEC) on one end, and one WECO™ 3-pin connector on the other (to connect to the MUX-8258-C rear module). Refer to the *MUX-8258 User Manual* for rear module pinout details.

Ross Video does not supply these cables.

MUX-8258-C to MC1-MK

Connect **SDI OUT** (BNC 2) on the MUX-8258-C rear module to **KEY ALPHA IN** (BNC 4) on the MC1-MK rear module (8320AR-033).

Sage Digital ENDEC Setup

The MC1-MK requires the following parameters be configured on the Sage Digital ENDEC:

- **Alert Text Output** is set to the Generic Character Generator protocol
- **Enc Rly** port is configured for PTT Relay programming

Refer to your Sage Digital ENDEC documentation for details on setting up your device.

MC1-MK Setup

This section outlines how to configure the MC1-MK to communicate with the Sage Digital ENDEC via an ethernet protocol.

To set up communications

1. From the **Tree View**, expand the node for the MC1-MK you want to access.
2. Select the **Configuration** node to display the interface in the right-half of DashBoard.
3. Select the **Config** tab.
4. Select the **Remote Control** tab.
5. Locate the **Sage EAS Char Gen** row in the **Ethernet Port** area of the tab.

6. From the **Role** menu, select **Client**.
 7. From the **Protocol** menu, select **TCP**.
 8. From the **IP Address** menu, specify the IP Address of the Control DeviceMaster.
 9. From the **Port** menu, specify the port number for the Control DeviceMaster that is connected to the Sage Digital ENDEC. The default value is **8701**.
 10. Select the **Enabled** box. The **Sage ENDEC Setup** tab now displays in the Device View of DashBoard. This tab will be used to configure the text overlay as described in the *MC1-MK Installation Manual*.
 11. Confirm that the LCD display on the **Sage ENDEC** reports "Connected". If it does not, verify the Control DeviceMaster setup.
4. Select the **Analog Inputs** tab and configure the Delay and Gain as required for Analog Inputs 1 and 2.

Compatibility

Device	Software Version
MUX-8258-4C	1.07b
MUX-8258-8C	1.07b
MC1-MK	3.1, 4.0

To enable EAS audio voice over

1. Select the **GPI/Tally** tab.
2. Select **GPI EAS Audio Over** from the **Function** column for the GPI you connected to the **Enc Rly** port on the Sage Digital ENDEC.
3. Select **Level** for the GPI from the **Trigger** column.
4. Select **Low/Falling** for the GPI from the **Polarity** column.

MUX-8258-C Setup

Refer to the *MUX-8258 User Manual* for details.

To set up communications

1. From the **Tree View**, double-click the node for the MUX-8258-C you want to configure.
2. Select the **Setup** tab and configure the menu items as per your facility requirements.
3. Select the **Embedded Outputs** tab.
 - Enable up to two Channels as the Sage Digital ENDEC outputs two channels of analog audio.
 - Set all other channels to **Mute**.

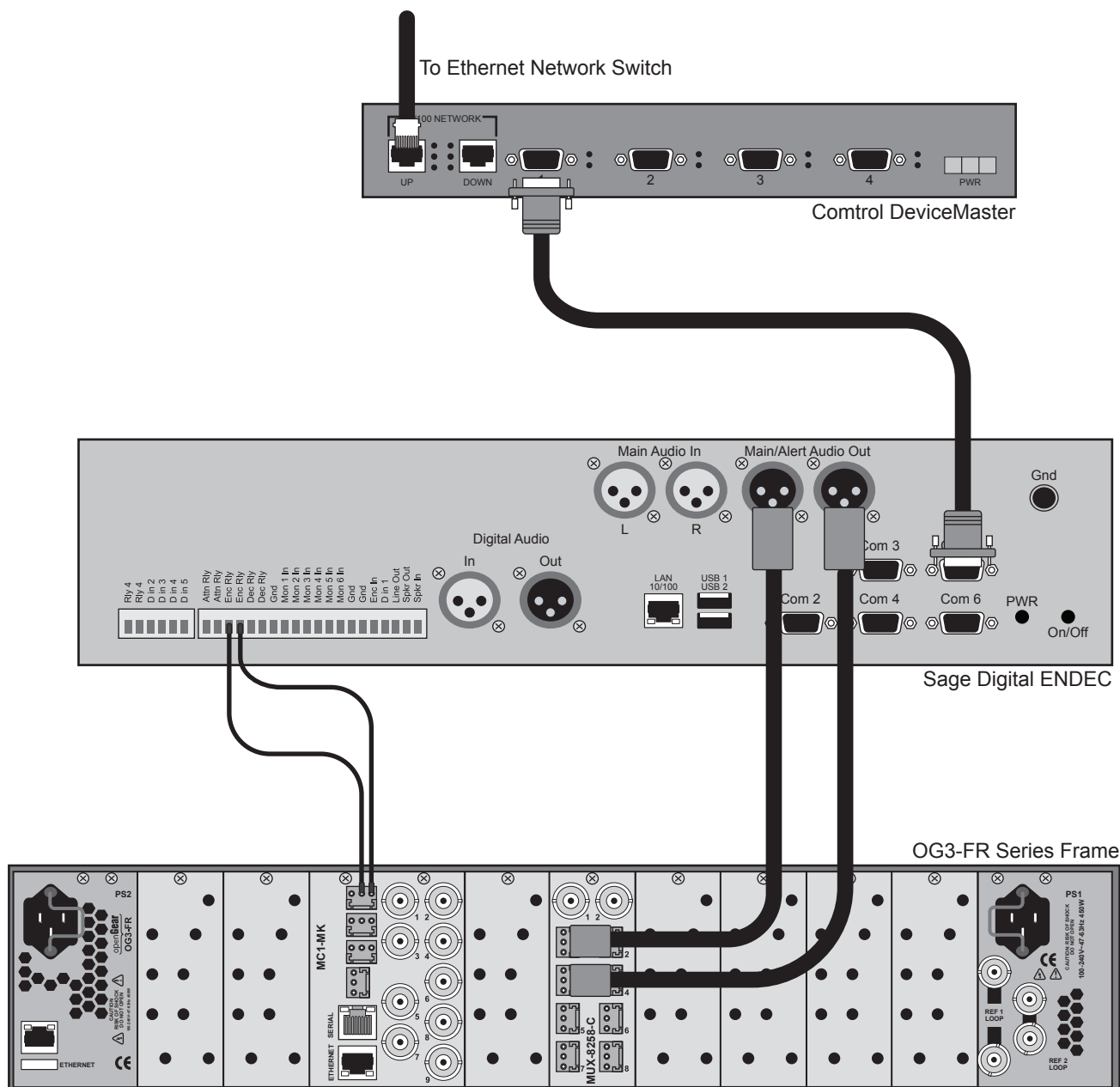


Figure 1 Cabling Designations