OGX-FR Installation

CAUTION Before you set up and operate your OGX-FR see the “Important Regulatory and Safety Notices” that shipped with your unit. It is also recommended to refer to the *OGX-FR Series User Guide*. The *OGX-FR Series User Guide* is available for download from our website.

CAUTION: There may be a foam insert inside the OGX-FR chassis (between the frame door and card slots). This foam insert MUST be removed before powering the unit on. Failure to remove the foam insert will damage your system.

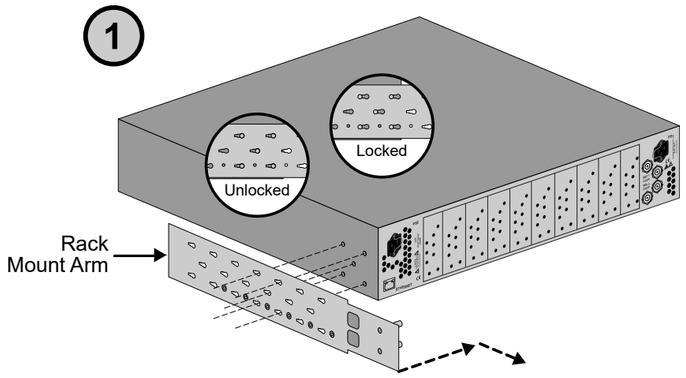
1.0 Installing in a Rack Frame

Important: Maintain the following minimum dimensions within the equipment rack:
- Minimum 2” (5.08cm) clearance both right and left sides of the chassis with unrestricted vertical airflow.
- Minimum 5” (12.7cm) clearance at the chassis rear with unrestricted vertical airflow.

Note: If you do not have the optional FSB-OGX Rear Support Brackets Kit for your OGX-FR, perform only step 2.

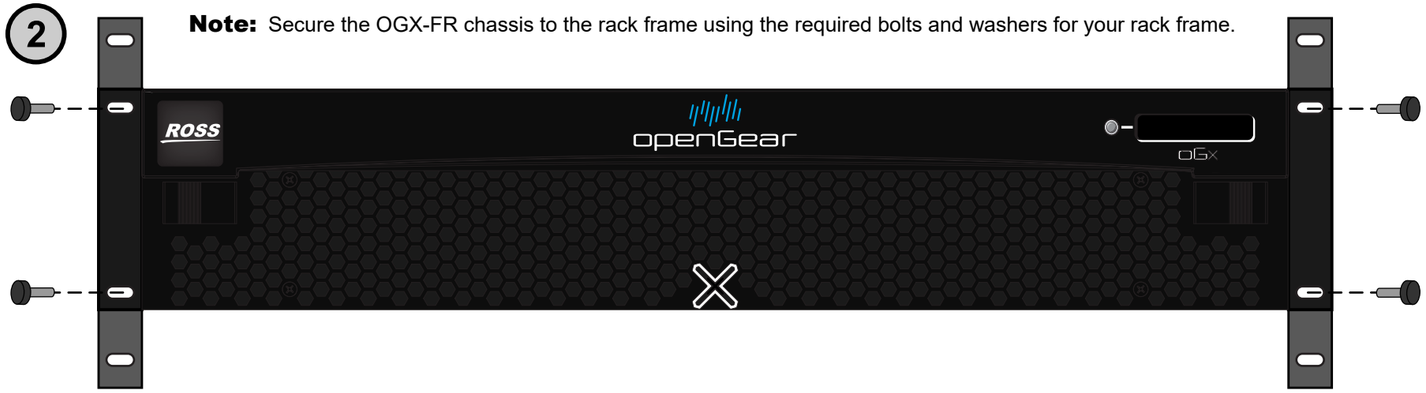
Tip: Ensure that your openGear cards, rear modules, and power supplies are fully seated inside the OGX-FR chassis.

1

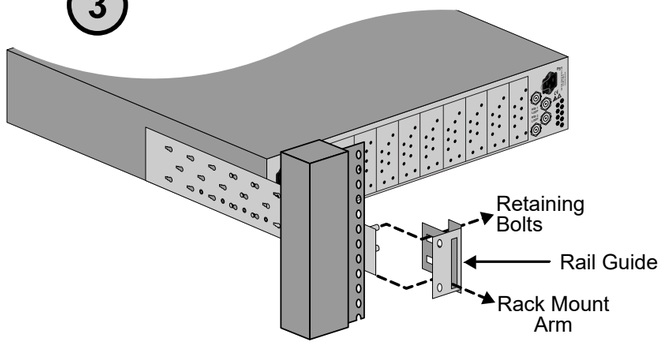


2

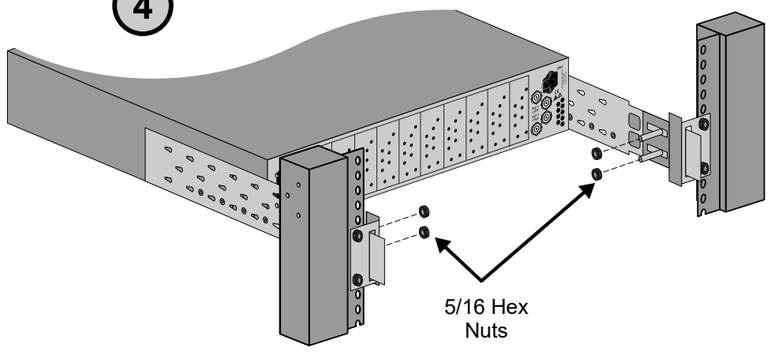
Note: Secure the OGX-FR chassis to the rack frame using the required bolts and washers for your rack frame.



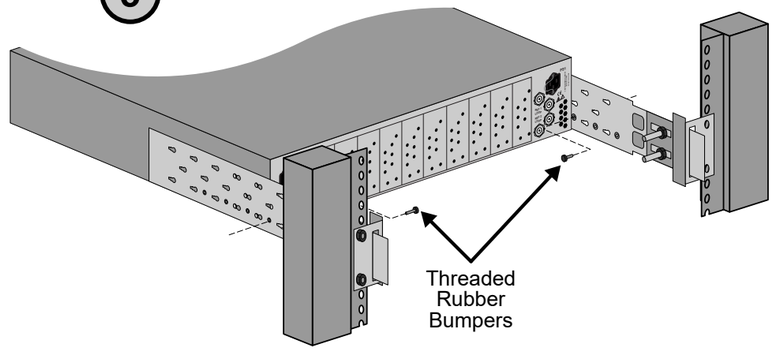
3



4



5



8322DR-202-07

Printed in Canada.

© 2026 Ross Video Limited. Ross®, GearLite®, and any related marks are trademarks or registered trademarks of Ross Video Limited. All other trademarks are the property of their respective companies. PATENTS ISSUED and PENDING. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, mechanical, photocopying, recording or otherwise, without the prior written permission of Ross Video. While every precaution has been taken in the preparation of this document, Ross Video assumes no responsibility for errors or omissions. Neither is any liability assumed for damages resulting from the use of the information contained herein.

OGX-FR Cabling

CAUTION Before you set up and operate your OGX-FR see the "Important Regulatory and Safety Notices" that shipped with your unit. It is also recommended to refer to the *OGX-FR Series User Guide*. The *OGX-FR Series User Guide* is available for download from our website.

2.0 Power Connections

WARNING HAZARDOUS VOLTAGES

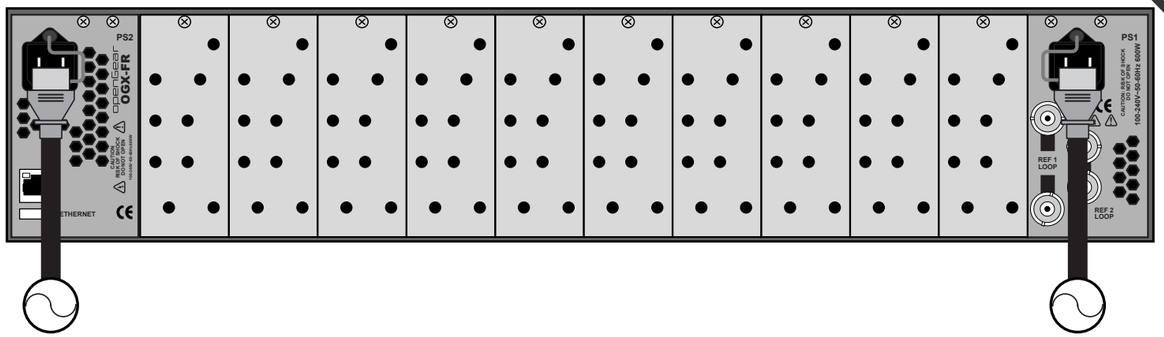
The safe operation of this product requires that a protective ground connection be provided. This protective ground is provided by the grounding conductor in the equipment's supply cord. To reduce the risk of electrical shock to operator and service personnel, this ground conductor must be connected to a properly grounded plug. We recommend measuring ground if unsure.

WARNING

In some countries, it may be necessary to supply the correct mains supply cord. Use only an approved IEC 320 C-13 type A/C line cord rated for a minimum 10A at 250V and certified for the country of use.

Power Consumption

Model	Input			Notes
	Power	Current	Voltage	
OGX-FR	600W	6.3A	100-240VAC	For module power, refer to the OGX-FR Series User Guide



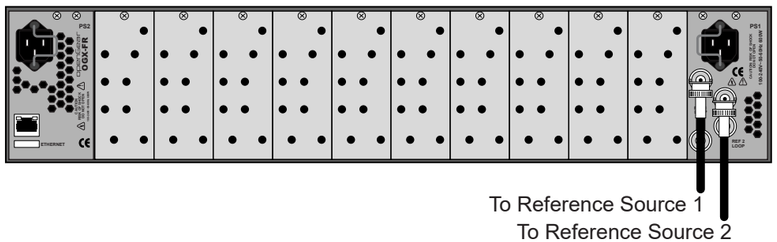
To Redundant Power Supply

To Main Power Supply

Tip: The OGX-FR depicted in this document includes blank plates in the rear module slots. Your frame configuration may differ than what is depicted.

3.0 Reference Cabling

Note: If only one reference type is required for the OGX-FR frame, connect it to the REF 1 BNC. Two reference types enables you to use reference sources with different signal formats, each via a separate REF BNC.



To Reference Source 1

To Reference Source 2

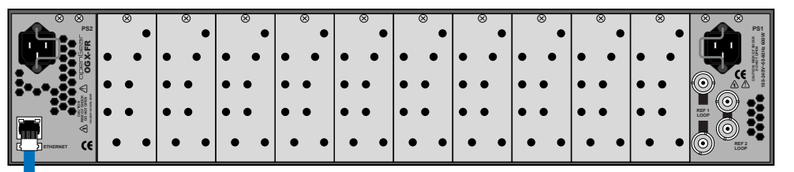
Note: Refer to the user guide for your openGear card(s) for information on the required reference and signal types.

4.0 Network Cabling

The **ETHERNET** port has its RJ45 connector wired as a Network Interface Card (NIC). The following table provides the wiring information based on the type of Network Controller card installed in the OGX-FR.

Frame	Network Card	Network Type
OGX-FR-C	MFC-8322-S	100BASE-TX
OGX-FR-CN	MFC-OG3-N	1000BASE-T
OGX-FR-CNS	MFC-OG3-N	1000BASE-T

Note: Connect the **ETHERNET** port to the same network as your DashBoard client computer or to a network that has a route to the network your DashBoard client computer is on.



To Ethernet Network

To connect to the OGX-FR from DashBoard

Note: *The Network Card is pre-configured for DHCP communication. Refer to the user guide for your Network Card for details.*

1. Ensure the OGX-FR is powered on.
2. Click File > New > Manual Connection.
3. In the IP Address field, enter the IP address of the Network Card in your OGX-FR chassis.
   Tip: *The Front Display of the OGX-FR reports the IP Address assigned to the Network Card.*
4. Click Detect Settings.
5. Click Finish.

Have a question?

Toll Free Technical Support (North America): +1 833-859-0499
Toll Free Technical Support (EMEA): +800 3540 3545*
Technical Support (North America): +1 613-686-1557
Technical Support (Australia/Sydney): 1300 007 677*
E-mail: techsupport@rossvideo.com

* If the local support specialist is not available, your call will be transferred automatically to our North America center.