
Ross Video Limited

V I S I O N

Squeeze & Tease Installation Guide



Live Production Technology

Vision • Squeeze & Tease Installation Guide

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Important Regulatory and Safety Notices to Service Personnel

Before using this product and any associated equipment, refer to the “**Important Safety Instructions**” listed in the front of your *Engineering Manual* to avoid personnel injury and to prevent product damage.

Product may require specific equipment, and/or installation procedures to be carried out to satisfy certain regulatory compliance requirements. Notices have been included in this publication to call attention to these specific requirements.

General Handling Guidelines

- Careful handling, using proper ESD precautions, must be observed.
- Power down the system before PCB removal.



ESD Susceptibility — *Avoid handling the switcher circuit boards in high static environments such as carpeted areas, and when synthetic fiber clothing is worn. Touch the frame to dissipate static charge before removing boards from the frame, and exercise proper grounding precautions when working on circuit boards.*

Environmental Information

The equipment that you purchased required the extraction and use of natural resources for its production. It may contain hazardous substances that could impact health and the environment.

To avoid the potential release of those substances into the environment and to diminish the need for the extraction of natural resources, Ross Video encourages you to use the appropriate take-back systems. These systems will reuse or recycle most of the materials from your end-of-life equipment in an environmentally friendly and health conscious manner.

The crossed-out wheeled bin symbol invites you to use these systems.



If you need more information on the collection, reuse, and recycling systems, please contact your local or regional waste administration.

You can also contact Ross Video for more information on the environmental performances of our products.

Package Contents

The contents of the **Squeeze & Tease™** upgrade kit depends on the number of Squeeze & Tease MD channels you are installing. If any items are missing, or damaged, contact Ross Video Technical Support.

Qty ^a	Part#	Item
1-3	4800AR-047A	Squeeze & Tease MD Carrier Board
1-12	4800AR-048	Squeeze & Tease MD Channel Card
1-6	4800AR-049	Squeeze & Tease MD WARP Card

- a. The number of boards and cards in the upgrade kit depends on the number of options ordered.

Squeeze & Tease Overview

The Squeeze & Tease™ MD option consists of a carrier board and a number of daughter cards that are installed into the frame.

In order to install the Squeeze & Tease MD option, you must upgrade the switcher software, install the daughter cards onto the Squeeze & Tease Carrier Board, and install the Squeeze & Tease Carrier Board into the frame.



Important — *Although the **Squeeze & Tease Carrier Boards** are hot-swappable, any Squeeze & Tease resources on those cards that are being used, Flying Keys for example, will be lost when the board is removed.*

The hardware for the Squeeze & Tease MD option consists at least one Squeeze & Tease MD Carrier Board. On this Squeeze & Tease MD Carrier Board, there are slots for 4 Squeeze & Tease MD Cards, each providing 2 channels of DVE resources, and slots for 2 Squeeze & Tease WARP MD Cards.

The total number of Squeeze & Tease MD cards you can use depends on the number of MLEs you have and the switcher you are installing them into. Refer to your Vision switcher documentation for the number of Squeeze & Tease MD and Squeeze & Tease MD WARP cards you can install for each MLE.



Note — *Squeeze & Tease MD DVE channel resources are shared between both MLEs, the MLE-Pair, on the same Video Processor Board. If all DVE channel resources are applied to one MLE, there will be no resources available to the other MLE in the MLE-pair.*

Software Upgrade

When a new board is installed, the switcher checks the current version of software on the board. If the software on the board is the same as the software on the switcher, there is no change. If the board has a software version that is different than the version on the switcher, the switcher will upgrade the board to the same version as the switcher. For this reason, it is important that you upgrade your switcher to the latest version of software prior to installing a new board into the frame. Refer to your Vision switcher documentation for information on upgrading the switcher.

S&T MD Channel Card Installation

Use the following procedure to install a Squeeze & Tease MD Card onto the Squeeze & Tease Carrier Board:

1. Place the **Squeeze & Tease Carrier Board** on a clean, static-free surface.
2. Locate the **Squeeze & Tease MD Channel Card Slot** (MD Slots 1 through 4) on the **Squeeze & Tease Carrier Board** that you want to install the **Squeeze & Tease MD Channel Card** into (**Figure 1**). Refer to the following tables for information on where to install the **Squeeze & Tease MD Channel Card** for your frame configuration.

Table 1 Standard QMD-X Channel Card Slots

Frame Slot	MLE	Slot 4	Slot 3	Slot 2	Slot 1
8	MLE 1&2	Yes	Yes	Yes	Yes
6	MLE 3&4	Yes	Yes	Yes	Yes
3	MLE 5&6		Yes		Yes
3	MLE 7&8	Yes		Yes	

Table 2 Octane Frame QMD-X Channel Card Slots

Frame Slot	MLE	Slot 4	Slot 3	Slot 2	Slot 1
3	MLE 1&2		Yes		Yes
3	MLE 3&4	Yes		Yes	

Table 3 QMD Channel Card Slots

MLE	Slot 4	Slot 3	Slot 2	Slot 1
MLE 1&2		Yes		Yes
MLE 3&4	Yes		Yes	

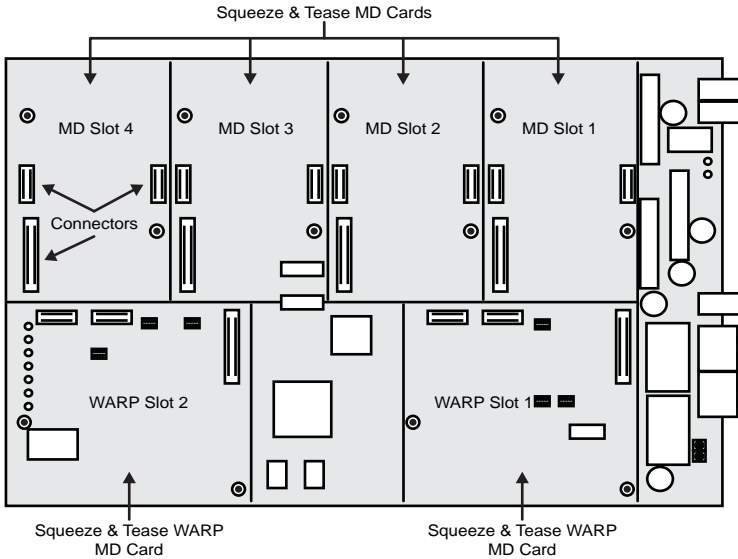


Figure 1 Squeeze & Tease Carrier Board — Daughter Card Slots

- Align the **Squeeze & Tease MD Card** so that the **3** connectors on the bottom of the card line up with the connectors in the **Squeeze & Tease MD Card Slot**. The **Retaining Screw Holes** on either side of the card will line up with the mounts on the board (**Figure 2**).

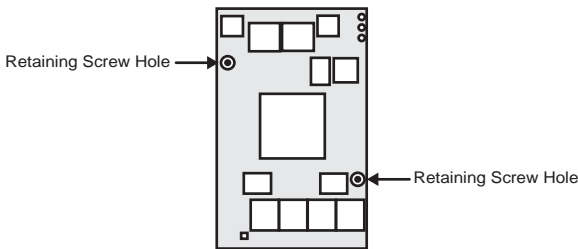


Figure 2 Squeeze & Tease MD Card

- Apply firm, even, pressure to seat the card in the slot.



Caution — Do not overtighten the **Retaining Screws**. These screws only need to be snug in order to secure the card in place.

- Install the **2 Retaining Screws** into the **Retaining Screw Mounts** on the **Squeeze & Tease Carrier Board** to secure the card in position. The screws insert from the bottom of the Squeeze & Tease Carrier Board, into the daughter card.

This completes the procedure for installing the Squeeze & Tease MD Card. Use this same procedure to install any additional Squeeze & Tease MD Cards.

S&T WARP MD Card Installation

Use the following procedure to install a Squeeze & Tease MD WARP Card onto the Squeeze & Tease Carrier Board:

1. Place the **Squeeze & Tease Carrier Board** on a clean, static-free surface.
2. Locate the **Squeeze & Tease WARP MD Slot** (WARP Slots 1 and 2) on the **Squeeze & Tease Carrier Board** that you want to install the **Squeeze & Tease WARP MD Card** into (**Figure 3**). Refer to the following tables for information on where to install the **Squeeze & Tease WARP MD Card** for your frame configuration.

Table 4 Standard QMD-X WARP Card Slots

Frame Slot	MLE	Slot 2	Slot 1
8	MLE 1&2	Yes	Yes
6	MLE 3&4	Yes	Yes
3	MLE 5&6		Yes
3	MLE 7&8	Yes	

Table 5 Octane Frame QMD-X WARP Card Slots

Frame Slot	MLE	Slot 2	Slot 1
3	MLE 1&2		Yes
3	MLE 3&4	Yes	

Table 6 QMD WARP Card Slots

MLE	Slot 2	Slot 1
MLE 1&2		Yes
MLE 3&4	Yes	

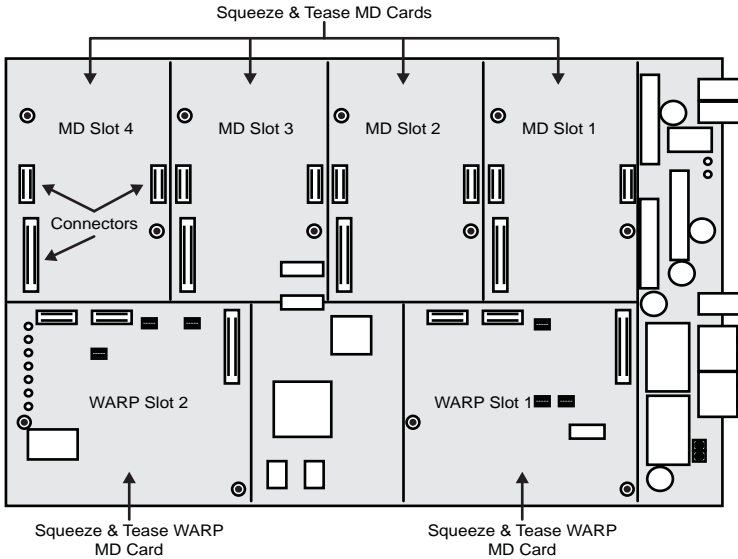


Figure 3 Squeeze & Tease Carrier Board — Daughter Card Slots

3. Align the **Squeeze & Tease WARP MD Card** so that the **3** connectors on the bottom of the card line up with the connectors in the **Squeeze & Tease WARP MD Card Slot**. The **Retaining Screw Holes** on either side of the card will line up with the mounts on the board (**Figure 4**).

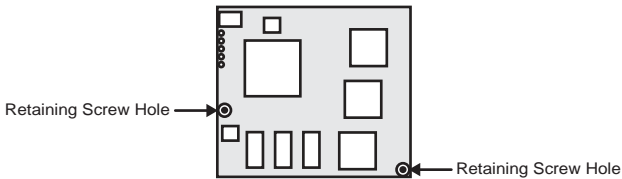


Figure 4 Squeeze & Tease WARP MD Card

4. Apply firm, even, pressure to seat the card in the slot.



Caution — Do not overtighten the **Retaining Screws**. These screws only need to be snug in order to secure the card in place.

5. Install the **2 Retaining Screws** into the **Retaining Screw Mounts** on the **Squeeze & Tease Carrier Board** to secure the card in position. The screws insert from the bottom of the Squeeze & Tease Carrier Board, into the daughter card.

This completes the procedure for installing the Squeeze & Tease MD WARP Card. Use this same procedure to install any additional Squeeze & Tease MD WARP Cards. Next, install the Squeeze & Tease Carrier Board into the frame.

Notes

Contact Us

Contact our friendly and professional support representatives for the following:

- Name and address of your local dealer
- Product information and pricing
- Technical support
- Upcoming trade show information

PHONE	General Business Office and Technical Support	613 • 652 • 4886
	After Hours Emergency	613 • 349 • 0006
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