V I S I O N

Extended Tallies
Installation Guide

ROSS
Live Production Technology™

Vision • Extended Tallies 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 a single **Extended Tallies Upgrade** kit is listed below. If any items are missing, or damaged, contact Ross Video Technical Support.

Qty	Part#	Item
1	4800AR-105	Panel Tallies Board
1	4800CR-324	Tally Power Cable
1	727-020R	Tally Interface Cable (Green, CAT5e)

Extended Tallies Installation

To install the new tally board, you must remove the blank plate from the slot where you want to install the tally board, install the tally board, and then connect the power and control cables.

The maximum parallel tallies supported by each control panel is as follows:

- **Vision 1** — **36** maximum
- **Vision 1M** — **36**, or **72**
- **Vision 2** — **36** maximum
- **Vision 2M** — **36**, or **72**
- **Vision 3M** — **36**, **72**, or **108**
- **Vision 2X** — **36**, **72**, or **108**
- **Vision 3** — **36**, **72**, or **108**
- **Vision 4** — **36**, **72**, **108**, or **144**

Use the following procedure to install an additional Tally Board:

1. Power down the control panel. The frame can remain on during this procedure. Refer to your Vision switcher documentation for information on shutting down the control panel.

2. Unplug the Primary and Redundant (if installed) power from the control panel.

3. Lift up on the control panel lid to gain access to the control panel tub.

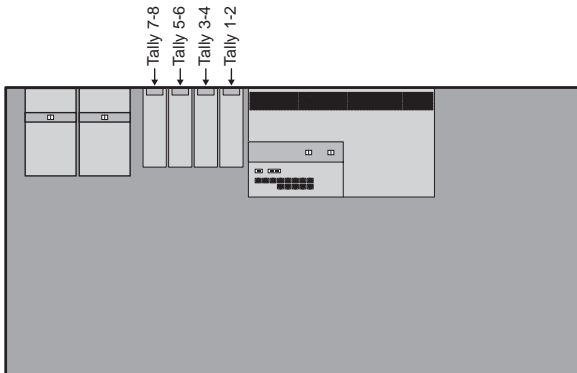4. Locate the slot where you want to install the additional Tally Board into (**Figure 1**).

Figure 1 *Vision 4 Control Panel Tub — Tallies*

5. Remove the **4 Retaining Screws** from the blank plate where you want to install the Tally Board and remove the blank plate from the slot. Keep the Retaining Screws in a safe place as you will need them to install the Tally Board.

6. Align the **Tally Board** with the **Tally Ports** out the hole in the back of the control panel tub, and the **4 Retaining Screw Holes** with the standoffs on the bottom of the tub (**Figure 2**).
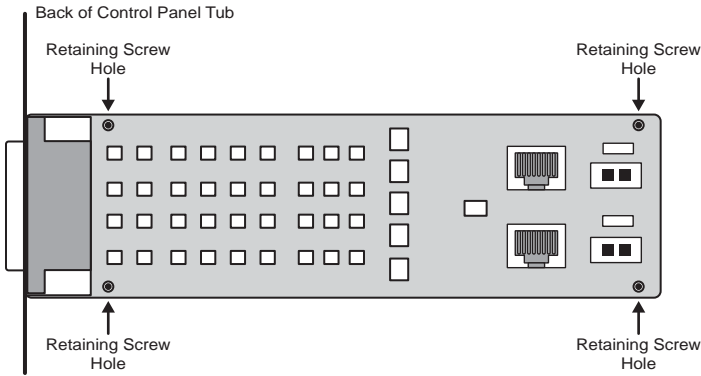

Figure 2 *Retaining Screw Alignment*

7. Insert the **4 Retaining Screws** through the holes in the **Tally Board** and into the standoffs (**Figure 3**).

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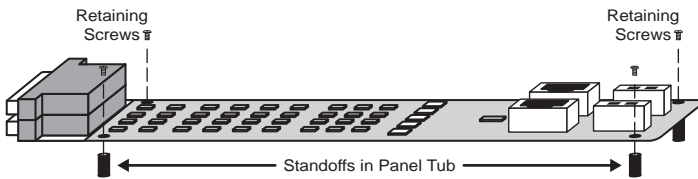

Figure 3 *Retaining Screw Insertion*

8. Connect and secure one end of the **Tally Interface Cable** to the Tally Board you are installing (**Figure 4**), and connect the other end to the previous Tally Board already installed in the control panel.

9. Connect and secure one end of the **Tally Power Cable** to the Tally Board you are installing (**Figure 4**), and connect the other end to the previous Tally Board already installed in the control panel.
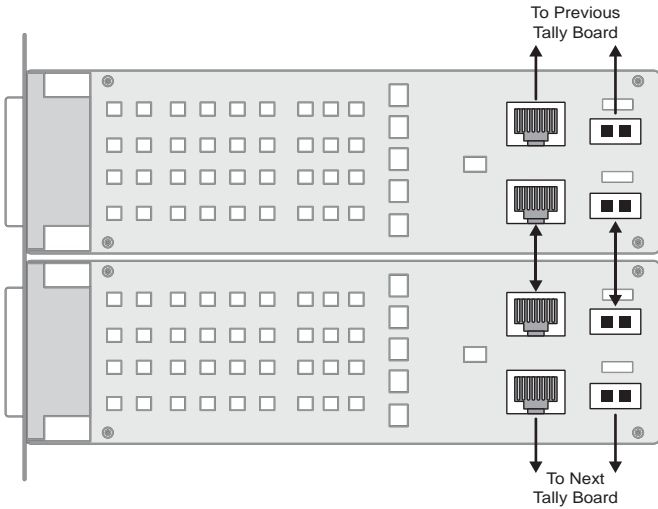
Figure 4 *Tally Board — Tally Power Connectors*

10. Close the control panel lid and reconnect the Main and Redundant (if installed) power to the control panel.

11. Power up the control panel.

This completes the procedure for installing an additional Tally Board.

Extended Tallies Setup

With the additional Tally Boards installed, the corresponding tallies are available for use. Each Tally Board provides **36** tallies as standard, with **18** tallies per port (**Figure 5**).
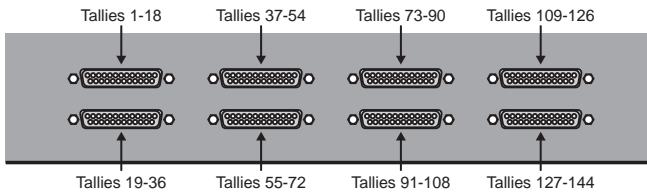

Figure 5 *Tallies on Each Tally Port (Vision 4 shown)*

Refer to your *Vision Engineering Manual* for information on setting up your extended tallies.

Notes

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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

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