

TALLYHO!

Wireless Tally Transmission System

Operation Manual

(v1.0bxx)

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1.0 Introduction - please read the following notes. They will help you to get the most from your system.

Note 1: Throughout the text, buttons and controls are indicated by **red** text and menu / display information in “quotation marks”.

Note 2: Some of the transmitter settings are stored in battery-backed memory. If the transmitter is not used for a long time, it is possible that some of these settings may revert to the default condition.

Note 3: If you have any comments or questions about this manual, please write to sales@tallytechnologies.com. Firmware and software upgrades will be issued from time to time at no charge to the owner, subject to the condition that the user undertakes to return all original devices in good condition.

1.1 Overview

Tally Ho is a wireless tally transmission system consisting of a transmitter unit and a number of camera-mounted battery-powered receiver units. TallyHo! can work from 8 GPI ports, but it has the capacity to be expanded to a maximum of 32 ports.

The receiver units are powered by rechargeable Nickel-metal hydride cells. These are charged via a breakout lead from the transmitter unit. The battery life is typically 40-50 hours of continuous operation.

1.2 Setting Up

The following sections on operation refer to the transmitter display as it appears in the image above. Where the text reads **scroll+**, you can also use **scroll-**. This manual assumes that the system is configured for 3 receivers.

1.2.1 The Transmitter

Apply power to the unit. The following message will be displayed:

```
TallyHo v1.07
Status: NNN--
```

and the **shift** button will flash to indicate that one or more receivers is out of contact.

Press the **menu** button so that the display changes to this:

```
Source      1
Enable?    Y
```

The display shows that source 1 is enabled. To disable source 1, hold down the **shift** button and press **scroll+** button so that the display changes to this:

```
Source      1
Enable?    N
```

If you are happy with the status of source 1, press **scroll+** to change the display to source 2:

```
Source      2
Enable?    Y
```

Continue with this process until the sources are set up to your requirements. It is a good idea to disable any sources that you are not planning to use, as this reduces the polling time of the transmitter.

Once you have completed this process, exit by pressing **back**. Attach a stub aerial to the rear BNC of the transmitter.

1.2.2 The Receivers

Attach a stub aerial to each of the receiver BNC connectors. On the rear panel of each receiver unit, move the slide switch from off to on. In each case, the front and rear panel LEDs flash for a few seconds and a green light on the rear panel indicates power on. If there is no power to the receiver, charge the unit and retry.

After a few seconds, you will see the display on the transmitter change as it detects the receivers:

```
TallyHo v1.07
Enable?  YYY--
```

and the **shift** button will stop flashing. On occasions the on/off switch may require toggling.

1.2.3 Charging

Recharge the receivers via the 4-way charging cable to the XLR-4 plug on the power supply. After a few seconds, the small yellow led on the rear of the receiver will light up. Normal charging time is about 6 hours, and the led will go out when the charging is complete. Please note that the power to the transmitter the charge to the receivers is 9 volt DC. DO NOT attach 12 volt to the receivers.

2.0 Operation

Connect the GPI output from the vision mixer/switcher with a GPI cable (if you do not have a cable please contact us to order, or for details of wiring for your system) and connect the other end to the connector on the back of the transmitter unit marked "GPI 1-8".

Operation of the mixer program bus will cause the receiver tally lights to operate. You will see a range of 100m indoors (depending on internal layout) and a maximum of 250m outdoors depending on terrain. The system uses coded channels in the license-free 433MHz or 866MHz band, so interference with or from other equipment is unlikely.

3.1 Other Menu Settings

3.2 Channel Selection

TallyHo! can use any one of 8 channels within the 433MHz band. This feature is useful when two Tally Ho systems are being used in the same area.

3.3 Preview Indication

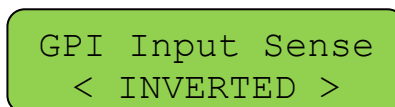
TallyHo! also offers a preview function depending on the mixer used.

3.4 Handshake

The system incorporates a handshake function, the default condition for which is disabled. If enabled, the transmitter periodically polls the enabled receiver channels. If contact is lost with one or more receivers, the SHIFT light will flash.

3.5 Invert Tally

When using TallyHo! with vision mixers such as the Tricaster the GPI input sense needs to be inverted. Refer to the menu on the transmitter:



GPI Input Sense
< INVERTED >

Appendix 1: Rear panel connector wiring

GPI in: These inputs are driven by active-low logic levels / contact closures. Each connector is wired as follows:

Pin 1	GPI input 1
Pin 2	GPI input 2
Pin 3	GPI input 3
Pin 4	GPI input 4
Pin 5	GPI input 5
Pin 6	GPI input 6
Pin 7	GPI input 7
Pin 8	GPI input 8
Pin 9	0V

Warranty

In the event that a Tally Technologies product develops a fault due to a manufacturing error, our customers are covered by our Warranty System which ensures that the fault is resolved free of charge for a period up to a year after the date of purchase.

If a product develops a manufacturing fault during the warranty period then it must be returned to a Tally Technologies Ltd approved repair facility where it will be repaired free of charge by authorised technicians. Your product will be returned to you when the repair is complete or a replacement will be given.

**If you have any questions,
please telephone or fax us on
+44 (0) 845 652 6677 or send an e-mail to
info@tallytechnologies.com**