TallyPlus User Manual

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SimpleTally
www.simpletally.tv

Contents

1 Introduction

The device is designed to work with system and portable cameras in television studios. Purpose:

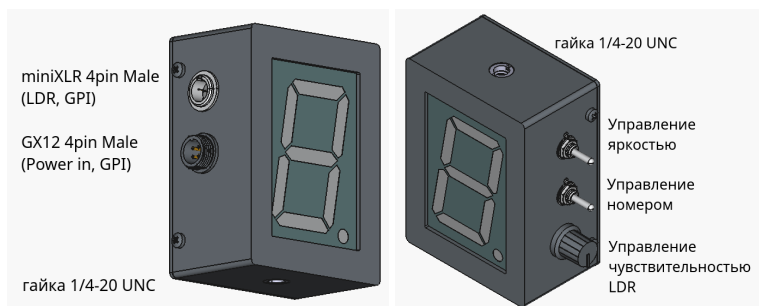- Camera number identification
- On-Air tally

The On-Air tally is controlled by one of the following methods:

- LDR sensor (light-dependent resistor)
- GPI signal (General Purpose Interface)

2 Design

The device features:

- Microprocessor control
- Indicator number configuration
- Brightness configuration
- Light sensor sensitivity configuration
- Non-volatile memory for storing settings

3 Package Contents

- TallyPlus / TallyPlus Twin Indicator— 1 piece
- Power supply with GX12 connector — 1 piece

- LDR sensor with mini-XLR connector — 1 piece

- Power and control cable — optional

- Mounting adapter — optional

4 Specifications

No	Item Name	Value
1	Number of seven-segment indicators, pcs	1 (TallyPlus), 2 (TallyPlus Twin)
2	Indication range	0-9 (TallyPlus), 00-99 (TallyPlus Twin)
3	Light color	green (normal state), red (activated by control signal)
4	Number of brightness levels, pcs	6
5	Control signal	from LDR (photoresistor) or GPI (+3 - +6 V, potentiometer should be in the extreme left position)
6	Mounting	top and bottom 1/4"-20 UNC thread (standard photo accessory compatible)
7	Power supply, V	9 – 18
8	Power consumption, W	0.5
9	Power supply method	from the camera or external power supply
10	Size without connectors and controls (WxHxD), mm	70x93x45 (TallyPlus), 118x93x45 (TallyPlus Twin)
11	Package size (WxHxD), mm	118x103x102 (TallyPlus), 168x103x102 (TallyPlus Twin)
12	Weight, g	254 (TallyPlus), 354 (TallyPlus Twin)
13	Weight with packaging, g	600 (TallyPlus), 750 (TallyPlus Twin)

5 Connection Options

No	Connection Options	GX12 Connector	miniXLR Connector
1	Power and control from the camera	Power and GPI	not used
2	Power from the camera, control from LDR sensor (photoresistor)	Power	LDR
3	Power from external power supply, control from camera or external source	Power	GPI

6 Operating Procedure

1. Install and secure the indicator on the camera or teleprompter. Use photo accessories with 1/4" threaded mounting for installation.

2. Connect the cables according to the chosen connection option.

3. Use the toggles located on the right side of the indicator to set the number and brightness of the indicators. The manipulators are 3-position with a lock in the middle position .

4. In the mode of operation with the LDR sensor (photoresistor), use the sensitivity regulator located on the side to set the threshold for switching the indicator color. When operating from the GPI signal, set the sensitivity regulator to the minimum position (turn counterclockwise until it clicks).

5. Check the correct operation of the indicator by switching the camera to On-Air / Off-Air modes.

7 Cable Connections

7.1 GX12

Contact	Signal
1	GND
2	GPI
3	GND
4	POW

7.2 miniXLR

Contact	Signal
1	LDR
2	not used
3	GPI
4	GND

8 Ordering Information

No	Article	Description
1	TallyPlus	Single-segment indicator
2	TallyPlus Twin	Dual-segment indicator
3	TallyPlus H4p100	Power and control cable GX12 — Hirose 4-pin male for connection to the Script light connector on Grass Valley LDX 98, length 1 meter
4	TallyPlus H20p100	Power and control cable GX12 — Hirose 20-pin male for connection to the Auxiliary connector on Grass Valley LDX 98, length 1 meter
5	TallyPlus F1	Mounting adapter for Fortinge ERA IP teleprompter
6	TallyPlus F2	Universal mounting adapter

9 Contact Information

Website **www.simpletally.tv**