MGT-2
For TRINITY Gen. 1 and TRINITY Live

USER MANUAL

February 2024 • English

D4510008071

Disclaimer

Before using the product, be sure to read and understand all respective instructions.

The product is available for commercial customers only.

For product specification changes since this document was published, refer to the latest publications of ARRI data sheets or data books, etc., for the most up-to-date specifications.

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Original version.

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1 About this document

This user manual contains detailed information about the features and functionalities of the device. Please visit the website http://www.arri.com to download the operating manual, where applicable, and much more information about this and other ARRI products.

Keep all manuals and all other operating and assembly instructions belonging to the device in a safe place for future reference and possible subsequent owners

For useful information in addition to these manuals please have a look at the ARRI learn & help section on the ARRI website.

The ARRI Academy courses provide unrivalled insights into the full possibilities of working with ARRI camera systems, lenses, lighting systems and accessories.

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For more details about the product, please refer to the ARRI website at:

MGT-2 product page

Searchkeys:
Master Grip TRINITY MGT-2, D4510008071

ARRI documentation portal

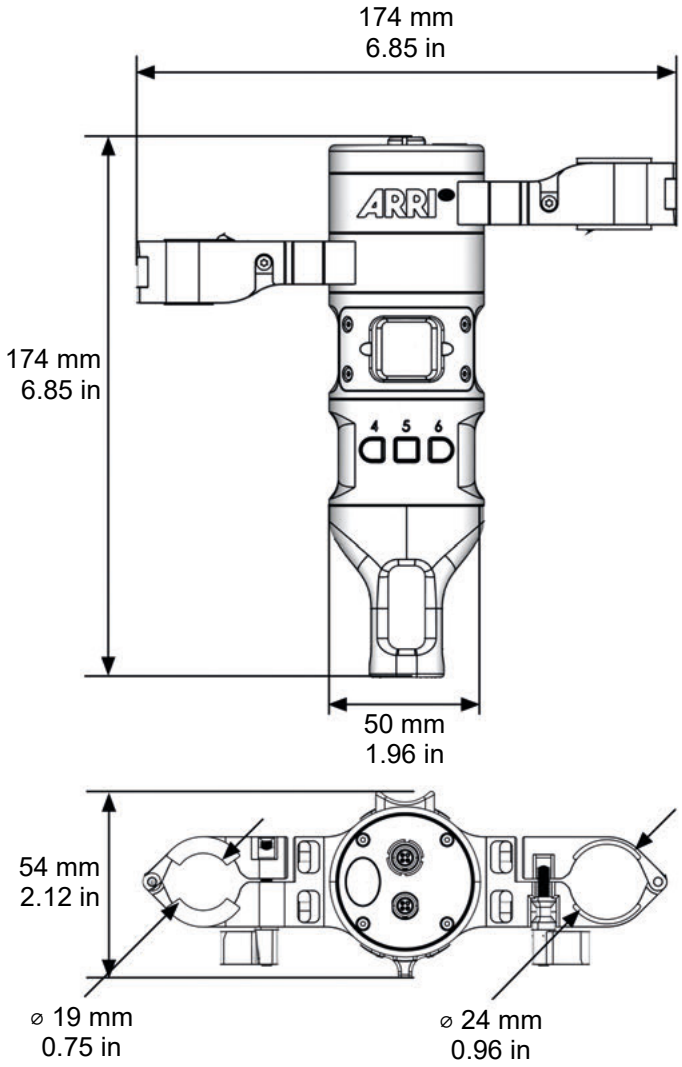
Document Revision History

Document ID: D45 1000 8071

Version	Release	Date	Note
1.0		February 2024	First Release

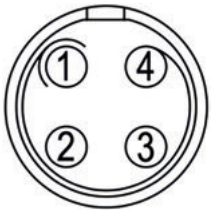
2 Technical Data

2.1 Dimensional Drawing



Weight MGT-2	0,5 kg / 1.10 lb

2.2 MGT-1 and MGT-2 Interfaces



LBUS

Lemo 0B 4pin (24 V max. 3 A)

Pin 1	Ground
Pin 2	CAN Low
Pin 3	+ 12 V / + 24 V
Pin 4	CAN High

**Shown from mating side*

3 Introduction

The Master Grip TRINITY 1 Pro Set KK.0049712 upgrade enables the Master Grip TRINITY MGT-2 to be used with TRINITY Gen.1 and TRINITY Live systems.

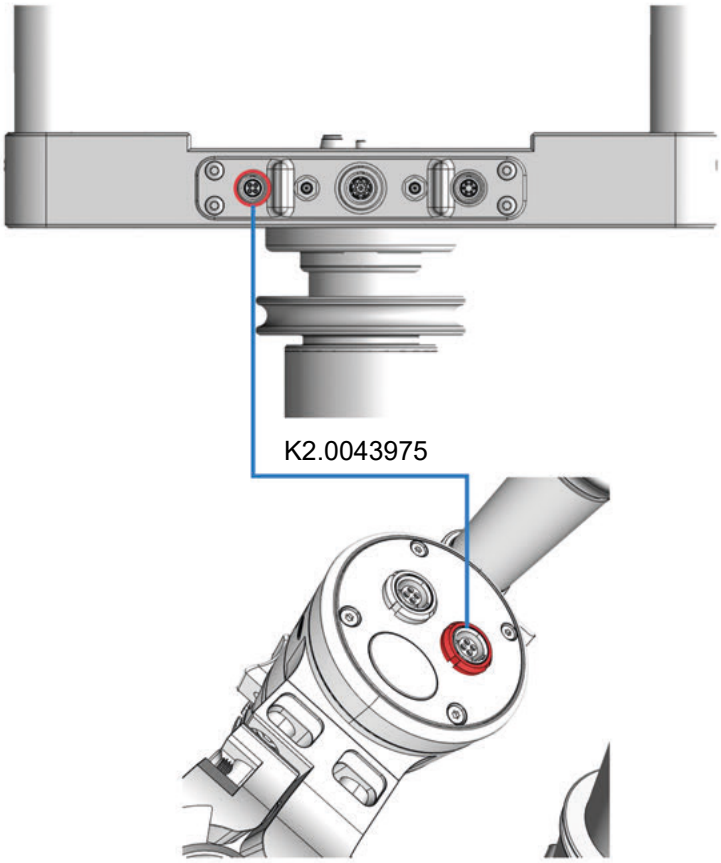
As the MGT-2 has two digital joysticks, the tilt axis and the zoom can be controlled simultaneously.

The LBUS enables the zoom to be controlled either via a cforce mini motor or via LCUBE CUB-2.

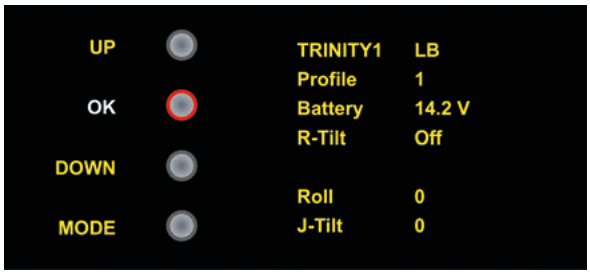
3.1 Recommended Accessories

KK.0024836	SRH LCUBE CUB-2 Set
KK.0008824	cforce plus Basic Set
KK.0040345	cforce mini RF Basic Set 2
K2.0006752	Cable LBUS - LBUS (0.8m/2.6ft)
K2.0006751	Cable LBUS - LBUS (0.5m/1.5ft)
K2.0006750	Cable LBUS - LBUS (0.3m/1ft)
K2.0006749	Cable LBUS - LBUS (0.2m/8in)
K2.0000071	Single Axis Unit SXU-1
KK.0039973	Hi-5 Hand Unit Body Kit
K2.0043861	TRINITY Gen.2 Joystick Cable, 75cm, 29.5 in
K2.0014804	TRINITY BNC Cable for Joystick Main Cable
K2.0038998	MTG Monitor Pwr, Lemo 0B, 2pin
K2.0038999	MTG Monitor Pwr, Lemo 0B, 5pin

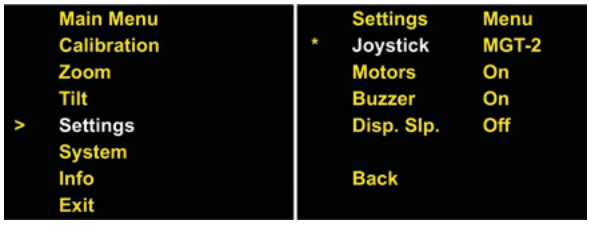
3.2 Wiring MGT-2 TRINITY Gen. 1 and TRINITY Live



4 To Assign the MGT-2

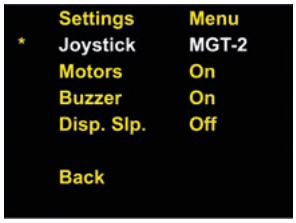


Press **OK** to enter the menu.



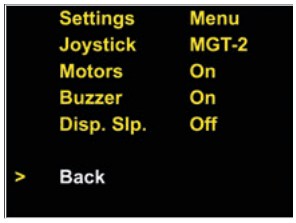
Press **Down** until you reach **Settings**.

Press **OK** to call up the joystick selection.



Use **Up** and **Down** to cycle through the available joysticks.

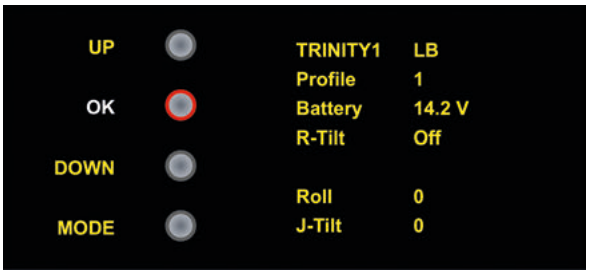
Press **OK** to select the **MGT-2**.



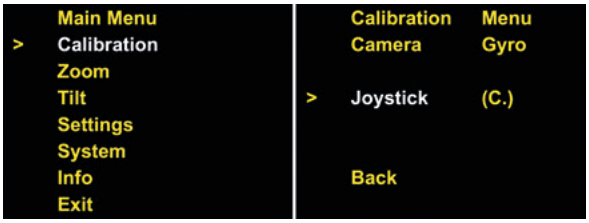
Press **Down** until you reach **Back**.

Press **OK** to close the menu.

5 To Calibrate the MGT-2

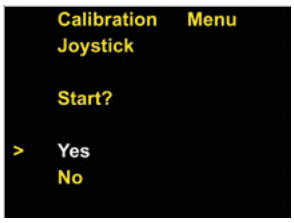


Press **OK** to enter the menu.

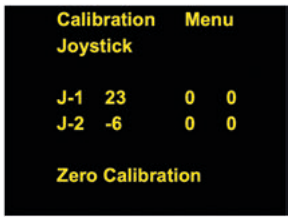


Press **OK** to enter the **Calibration** menu.

Press **Down** Until you reach **Joystick**.



Press **YES** to start the **Zero** calibration.

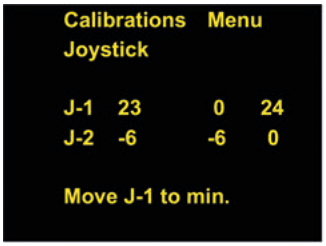


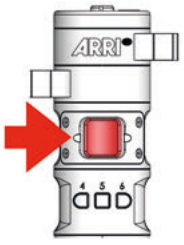
Now the **Zero** calibration will be performed.

NOTICE! Do not touch either joystick during Zero calibration

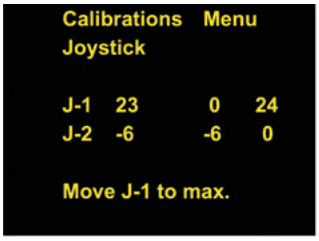
NOTICE

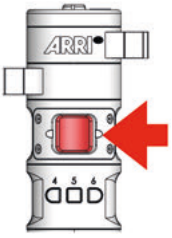
Follow the instructions shown at the bottom of the screen.



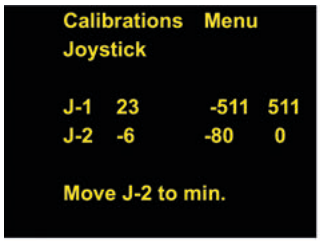


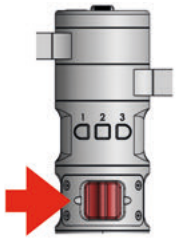
In the first step, move the upper joystick **J-1** to the **right**.



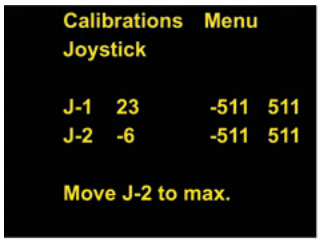


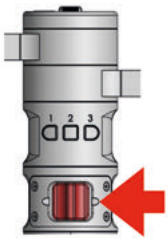
In the second step, move the upper joystick **J-1** to the **left**.



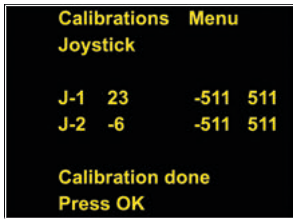


In the second step, move the lower joystick **J-2** to the **right**.



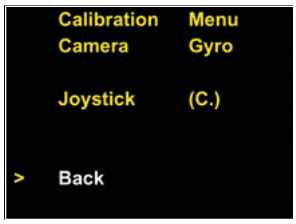


In the second step, move the lower joystick **J-2** to the **left**.



Once complete, **Calibration done** will appear at the bottom of the screen.

Press **OK** to finish the calibration procedure.

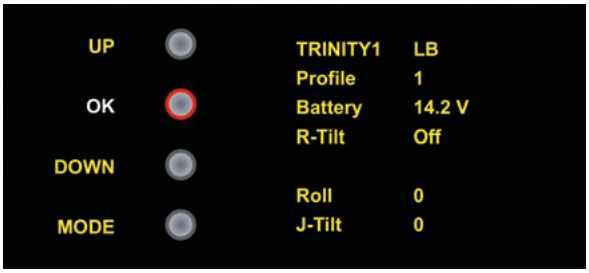


Press **Down** until you reach **Back**.

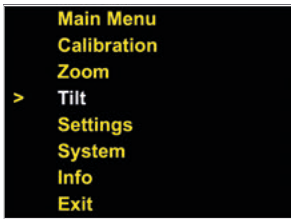
Press **OK** to leave the menu.

6 Axis Adjustments

6.1 Tilt Axis Adjustments

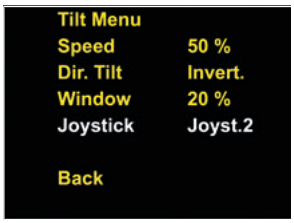


Press **OK** to enter the menu.



Press **Down** Until you reach **Tilt**.

Press **OK** to enter the **Tilt** axis adjustments.



Press **Down** until you have reached the desired setting.

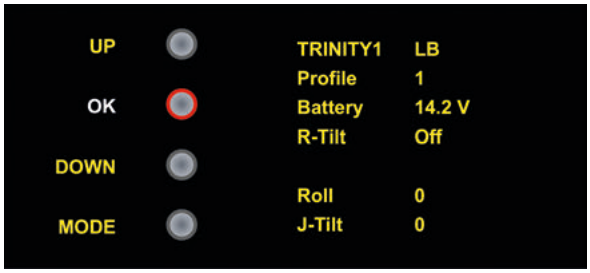
Press **OK** to enter the desired setting.

NOTICE! Joystick, allows you to select which of the two joysticks is responsible for tilting or zooming.

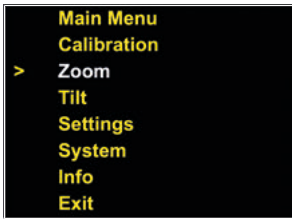
Recommended Values Tilt

Speed	20 – 40%
Window	20%

6.2 Zoom Axis Adjustments

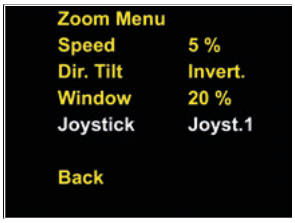


Press **OK** to enter the menu.



Press **Down** until you reach **Zoom**.

Press **OK** to enter the Zoom axis adjustments.



Press **Down** until you have reached the desired setting.

Press **OK** to enter the desired setting.

NOTICE! Joystick, allows you to select which of the two joysticks is responsible for tilting or zooming.

Recommended Values Zoom

Speed	5 – 20%
Window	20%

Notes

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