1 Disclaimer

Before using the products, be sure to read and understood all respective instructions.
The products are available for commercial customers only.
For product specification changes since this manual was published, refer to the latest publications of ARRI data sheets or data books, etc., for the most up-to-date specifications. Not all products and/or types are available in every country. Please check with an ARRI sales representative for availability and additional information.
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In the case one or all of the foregoing clauses are not allowed by applicable law, the fullest extent permissible clauses by applicable law are validated.
2 Imprint

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D-80807 Munich
Germany
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www.arri.com/en/technical-service
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<td>94</td>
</tr>
</tbody>
</table>
4 About this Document

This user manual is aimed at everyone involved in using the system and provides directions on how to operate it safely and as intended. To ensure safe and correct use, all users must read the user manual before using the accessories for the first time.

This user manual is an essential part of this product and must be easily accessible and in proximity to the equipment so that users can use it as a reference anytime.

Keep this user manual and all other operating and assembly instructions belonging to the system in a safe place for future reference and possible subsequent owners.

Document Revision History

<table>
<thead>
<tr>
<th>Version</th>
<th>Release</th>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td></td>
<td>01.07.2022</td>
<td></td>
</tr>
<tr>
<td>1.1</td>
<td></td>
<td>01.09.2022</td>
<td></td>
</tr>
</tbody>
</table>
5 About the product

ATTENTION

All versions of the product are intended exclusively for professional use and may only be used by skilled personnel.

Every user should read and understand the operating instructions and the user manual. Use the product only for the purpose described in this document. Always follow the instructions and system requirements for all equipment involved.

What is it?

TRINITY 2 is a 5 axis hybrid camera stabilizer system, which enables very special camera movements including 360° rotation on the camera's lens axis.

What does it do?

Any influences from the movement of the user, which can negatively affect the image, are completely eliminated by the TRINITY 2 system.

In addition, the user can directly influence the position of the camera in space and in relation to the object.

How does it work?

A combination of mechanical and electronic stabilization ensures perfect image quality and the joystick control opens up countless creative possibilities. Automated motion sequences of the TRINITY 2 ensure precise reproduction of tracking shots.

5.1 Identification

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

5.2 Environmental Conditions

The product should only be used and stored under certain environmental conditions. Check the following conditions before commissioning and operation:

<table>
<thead>
<tr>
<th>Electrical Requirements</th>
<th>Input voltage: 10.6 - 33.6 V DC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature</td>
<td>-20° C to +45° C / -4° F to +113° F</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-30° C to +70° C / -22° F to +158° F</td>
</tr>
<tr>
<td>Humidity</td>
<td>95% relative humidity max, non condensing</td>
</tr>
</tbody>
</table>
5.3 **Technical Data**

TRINITY 2

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value 1</th>
<th>Value 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power supply</strong></td>
<td>10.6 V – 33.6 V DC</td>
<td>12/24V max. 15A</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>14.5 kg</td>
<td>31.9 lb</td>
</tr>
<tr>
<td><strong>Temperature range</strong></td>
<td>-20° C to +45° C</td>
<td>-4° F to +113° F</td>
</tr>
<tr>
<td><strong>95% humidity max.</strong></td>
<td></td>
<td>non condensing</td>
</tr>
<tr>
<td><strong>Storage temperature</strong></td>
<td>-30° C to 70° C</td>
<td>-22° F to 158° F</td>
</tr>
</tbody>
</table>

Dimensions:
- 380 mm / 17.96 in
- 210 mm / 8.26 in
- 1270 mm / 50.0 in
- 170 mm / 8.69 in
- 500 mm / 19.68 in
### TRH-2 Interfaces

<table>
<thead>
<tr>
<th>Feature</th>
<th>Connection</th>
<th>Voltage</th>
<th>AMPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>12V / 24V</td>
<td>Lemo 2B 7pin</td>
<td>12/24V max. 15A</td>
<td></td>
</tr>
<tr>
<td>12V</td>
<td>Lemo 0B 2pin</td>
<td>12V max. 3A</td>
<td></td>
</tr>
<tr>
<td>12V</td>
<td>Fischer 3pin</td>
<td>12V max. 3A</td>
<td></td>
</tr>
<tr>
<td>CAN Bus</td>
<td>Fischer 4pin</td>
<td>12V max. 3A</td>
<td></td>
</tr>
<tr>
<td>FS CAN Bus</td>
<td>Fischer 4pin</td>
<td>12V max. 3A</td>
<td></td>
</tr>
<tr>
<td>HD In / Monitor Out / Loop</td>
<td>BNC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Analog Joystick In</td>
<td>Lemo 1B 7pin</td>
<td>12V max. 3A</td>
<td></td>
</tr>
<tr>
<td>Ext Pwr In</td>
<td>Lemo 2B 4pin</td>
<td>12/24V max. 15A</td>
<td></td>
</tr>
<tr>
<td>USB Port</td>
<td>USB-Typ-C</td>
<td>5,2V</td>
<td></td>
</tr>
</tbody>
</table>

### TRH-2 Outer Ring

<table>
<thead>
<tr>
<th>Feature</th>
<th>Connection</th>
<th>Voltage</th>
<th>AMPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>12/24V (Ring Power Supply)</td>
<td>Lemo 22pin</td>
<td>12/24V max. 15A</td>
<td></td>
</tr>
</tbody>
</table>

### TRH-Inner Ring

<table>
<thead>
<tr>
<th>Feature</th>
<th>Connection</th>
<th>Voltage</th>
<th>AMPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Video in</td>
<td>BNC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12V (2x)</td>
<td>Lemo 2pin</td>
<td>12V max. 3A</td>
<td></td>
</tr>
<tr>
<td>FF CAN</td>
<td>Fischer 4pin</td>
<td>12V max. 3A</td>
<td></td>
</tr>
<tr>
<td>12V/Tally</td>
<td>Fischer 3pin</td>
<td>12V max. 3A</td>
<td></td>
</tr>
<tr>
<td>LBUS</td>
<td>Lemo 4pin</td>
<td>24V max. 3A</td>
<td></td>
</tr>
<tr>
<td>12/24V</td>
<td>Lemo 7pin</td>
<td>12/24V max. 15A</td>
<td></td>
</tr>
<tr>
<td>12/24V (Ring Power Supply)</td>
<td>Lemo 22pin</td>
<td>12/24V max. 15A</td>
<td></td>
</tr>
</tbody>
</table>
About the product

Center Posts

Center Post lengths:

- The Standard and Volt Post can be extended from 45.5cm / 17.92in to 71cm / 27.95in. ARTEMIS outer post diameter 48mm / 1.88in Volt outer post diameter 44.45mm / 1.75in Inner post diameter 38.1mm / 1.5in

- The Shorty Post can be extended from 37cm / 14.56in to 46.5cm / 18.30in. ARTEMIS outer post diameter 48mm / 1.88in Inner post diameter 38.1mm / 1.5in

- The Super Post can be extended from 124cm / 48.82in to 200cm / 78.74in. ARTEMIS outer post diameter 48mm / 1.88in Inner post diameter 38.1mm / 1.5in

Gimbal
Master Grip TRINITY 2 (MGT-1 and MGT-2)

MGT-1 & MGT-2 Interfaces

<table>
<thead>
<tr>
<th></th>
<th>MGT-1</th>
<th>MGT-2</th>
<th>LBUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight MGT-1</td>
<td>0.4 kg</td>
<td>0.5 kg</td>
<td>Lemo 0B 4pin</td>
</tr>
<tr>
<td>Weight MGT-2</td>
<td></td>
<td></td>
<td>12V max. 3A</td>
</tr>
<tr>
<td>LBUS</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Remote Control Panel 3 (RCP-3)

**RCP-3 Interfaces**

<table>
<thead>
<tr>
<th></th>
<th>1.0 kg</th>
<th>2.2 lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>1.0 kg</td>
<td>2.2 lb</td>
</tr>
<tr>
<td>12V Lemo 0B 2pin</td>
<td>12V max. 3A</td>
<td></td>
</tr>
<tr>
<td>12V Fischer 3pin</td>
<td>12V max. 3A</td>
<td></td>
</tr>
<tr>
<td>CAN Bus Fischer 4pin</td>
<td>12V max. 3A</td>
<td></td>
</tr>
<tr>
<td>FS CAN Bus Fischer 4pin</td>
<td>12V max. 3A</td>
<td></td>
</tr>
<tr>
<td>LBUS Lemo 0B 4pin</td>
<td>12V max. 3A</td>
<td></td>
</tr>
<tr>
<td>USB USB-Typ-C</td>
<td>5,2 V</td>
<td></td>
</tr>
</tbody>
</table>
Top and Bottom Stage 2 (TST-2 and BST-2)

TST-2 and BST-2 Interfaces

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Interface Type</th>
<th>Current Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>12V</td>
<td>Lemo 0B 2pin</td>
<td>12V max. 3A</td>
</tr>
<tr>
<td>12V/24V</td>
<td>Lemo 2B 7pin</td>
<td>12/24V max. 15A</td>
</tr>
<tr>
<td>HD-1 / HD-2</td>
<td>BNC</td>
<td></td>
</tr>
<tr>
<td>12V</td>
<td>Fischer 3pin</td>
<td>12V max. 3A</td>
</tr>
<tr>
<td>12V</td>
<td>Lemo 1B 4pin</td>
<td>12V max. 3A</td>
</tr>
<tr>
<td>LBUS</td>
<td>Lemo 0B 4pin</td>
<td>24V max. 3A</td>
</tr>
<tr>
<td>CAN Bus</td>
<td>Fischer 4pin</td>
<td>12V max. 3A</td>
</tr>
</tbody>
</table>
Battery Hanger Module 2 (BHM-2)

**BHM-2 Interfaces**

- **Battery in 1 - 3** Lemo 2B 4pin 12/24V max. 20A
- **Main Power Out** Lemo 2B 7pin 12/24V max. 15A
- **USB Port** USB-Typ-A 5.2 V
Battery Mounting System Module 1 and 2 (BMS-1 and BMS-2)

<table>
<thead>
<tr>
<th>Model</th>
<th>Voltage</th>
<th>Weight</th>
<th>Dimension</th>
</tr>
</thead>
<tbody>
<tr>
<td>K2.0040284 B-Mount for BMS-2</td>
<td>20.5 – 33.6V</td>
<td>99 g / 0.21 lb</td>
<td>92 x 98 x 14mm 3.62 x 3.85 x 0.55in</td>
</tr>
<tr>
<td>K2.0040285 Gold Mount for BMS-1 / BMS-2</td>
<td>14.4 – 16.8V</td>
<td>135 g / 0.29 lb</td>
<td>92 x 98 x 23mm 3.62 x 3.85 x 0.90in</td>
</tr>
<tr>
<td>K2.0040286 V-Mount for BMS-1 / BMS-2</td>
<td>14.4 – 16.8V</td>
<td>143 g / 0.31 lb</td>
<td>92 x 98 x 33mm 3.62 x 3.85 x 1.29in</td>
</tr>
</tbody>
</table>
5.4 Pin Out

ARTEMIS 2 / TRINITY 2

12V / 24V Power
Lemo 2B 7pin (12V / 24V max. 15A)
* Shown from mating side

12V Power
4pin Lemo (12V max. 3A)
* Shown from mating side

12V Power
Lemo 08 2pin (12V max. 3A)
* Shown from mating side

RS / Tally (TST-2)
Fischer 3pin (TST-2) (12V max. 3A)
* Shown from mating side

Aux / Tally (TST-1)
Lemo 0S 3pin (12V max. 3A)
* Shown from mating side

LBUS
Lemo 0B 4pin (24V max. 3A)
* Shown from mating side

CAN Bus FF
Fischer 4pin (12V max. 3A)
* Shown from mating side

CAN Bus FS
Fischer 4pin (12V max. 3A)
* Shown from mating side

External Power In TRINITY
Lemo 2B 3pin (12V / 24V max. 15A)
* Shown from mating side
5.5 Scope of Delivery and Warranty

| ATTENTION |
|-----------------|------------------|
| The packaging consists of recyclable materials. For the sake of the environment, dispose of the packaging material at a suitable disposal site. |
| Always store, ship and dispose according to local regulations. ARRI is not liable for consequences from inadequate storage, shipment or disposal. |

On delivery, please check if package and content are intact. Never accept a damaged delivery.

Warranty

For scope of warranty, please ask your local ARRI Service Partner. ARRI is not liable for consequences from inadequate shipment, improper use or third-party products.

5.6 Certifications and Safety Standards

Approval Information

The TRINITY 2 is approved for use in countries where the CE or FCC declaration is accepted. That contains the European Union, Canada, Japan and the USA.

The import and use in other countries may be subject to legal, official or regulatory requirements and regulations. It is the importer's or the user's responsibility, prior to importation or use, to inform themselves of the applicable legal, regulatory and administrative requirements and regulations and to ensure compliance with these requirements and regulations. This includes the applying for and obtaining of all necessary approvals or registrations.

As far as reasonable and legally possible, ARRI will support requests in relation to such applications by providing technical documents or declarations. As an importer or user, you confirm that you are familiar and comply with the legal, regulatory, and administrative requirements and regulations that apply in the countries to which you ship or use the products. You further confirm that you will arrange for any necessary registrations, enrollments, or authorizations that are required in such countries.

You release ARRI from all obligations resulting from any legislative, regulatory, or administrative requirements regarding import or use of the products, except in countries where ARRI has obtained a registration or certification. You agree to indemnify, defend, and hold ARRI harmless from any and all claims, damages, losses, liabilities, costs, and expenses (including reasonable fees of attorneys and other professionals) that may arise out of a demand on ARRI in connection with your obligations mentioned above.

EU Declaration of Conformity

Brand Name: ARRI
Product Description: Camera Stabilizer System TRINITY 2

The designated products conform to the specifications of the following European directives:

The compliance with the requirements of the European Directives was proved by the application of the following standards:
- EN 55032:2015
- EN 55035:2017
- EN IEC 61000-4-2:2009
- EN IEC 61000-4-3:2020

The manufacturer bears sole responsibility for issuing this declaration of conformity.

**UK Declaration of Conformity**

**Brand Name:** ARRI  
**Product Description:** Camera Stabilizer System *TRINITY 2*

The designated products conform to the specifications of the following United Kingdom regulations:

- The Electromagnetic Compatibility Regulations 2016 (SI 2016 No. 1091 as amended by SI 2019 No. 696)
- The Electrical Equipment (Safety) Regulations 2016 (SI 2017 No. 1206 as amended by SI 2019 No. 696)
- The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (SI 2012 No. 3032 as amended by SI 2020 No. 1647 SI 2021 No. 422 and SI 2019 No. 492)

The compliance with the requirements of the United Kingdom regulations was proved by the application of the following standards:

- EN55032:2015
- EN55035:2017
- EN61000-4-2:2009
- EN61000-4-3:02006 A1 2008 A2:2010
- EN61000-4-8:2010
- EN50581:212

The manufacturer bears sole responsibility for issuing this declaration of conformity.

**FCC Compliance Statement**

**Class A Statement:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Changes or modifications to the product not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Industry Canada Compliance Statement**

Complies with the Canadian ICES-003 Class A specifications.
6 Safety Instructions

This safety information is in addition to the product specific operating instructions in general and must be strictly observed for safety reasons. Read and understand all safety and operating instructions before you operate or install the system. Retain all safety and operating instructions for future reference. Always follow the instructions in this and all documents supplied with the device to avoid injury to yourself or others and damage to the system or other objects.

Assembly and operation should only be carried out by trained staff familiar with the system. Only use the tools, materials and procedures recommended in this document. For the correct use of other equipment, see the manufacturer’s instructions.

6.1 Safety Conventions and Product Labels

Structure of Safety and Warning Messages

These instructions use safety instructions, warning symbols and signal words to draw your attention to different levels of risk:

⚠️ WARNING

WARNING indicates a potentially hazardous situation which, if not avoided, may result in death or serious injury.

- Always follow the recommended measures to avoid this hazardous situation.

⚠️ CAUTION

CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

- Always follow the recommended measures to avoid this hazardous situation.

Advice

NOTICE signifies a potentially hazardous situation which can result in damage to property.

- Always follow the recommended measures to avoid this hazardous situation.

Attention

Not relevant to safety, INFO provides additional information to clarify or simplify a procedure.
Warning Symbols and Product Labels

- General warning sign
- Warning of electrical voltage
- Warning of hot surfaces
- Warning of hand injuries
- Warning of the risk of crushing
- Warning of obstacles on the ground
- Please read all instructions carefully before using the product for the first time.
- Direct Current symbol found on electronics requiring or producing DC power

### 6.2 General Safety Instructions

**⚠️ WARNING**

**Operating the TRINITY 2 in case of obvious damage**

Risk of electric shock and fire hazard caused by short circuit.

- Do not use the system if electrical lines or housing are visibly damaged.
- Operate the system using only the type of power source indicated in the manual.
- Unplug the power cable by gripping the power plug, not the cable.
- Do not operate the system in areas with humidity above operating levels or expose it to water or moisture.
- Do not get the system wet.
- Do not lay cables over sharp edges (e.g. sheet metal, profile or other cut edges). Damaged cables can cause electric shock, short circuit or fire.
- Do not remove or deactivate any safety measures from the system (incl. warning stickers or paint marked screws).
- Repairs may only be carried out by authorized ARRI service partners.

**⚠️ WARNING**

**Falling TRINITY 2 components**

If the TRINITY 2 components is inadequately built up or assembled, it can fall down and cause serious injuries and damage to the camera accessories or property.

- Installation and operation may only be carried out by trained personnel who are familiar with the system. Observe accident prevention regulations.
- Do not place the TRINITY 2 on an unstable trolley or hand truck, stand, tripod, bracket, table or any other unstable support device.
- Always place the TRINITY 2 on dedicated support devices.
- Secure the TRINITY 2 against falling and tipping over. Observe the general and local safety regulations.
**WARNING**

Positioning the TRINITY 2 on an inclined or unsafe plane

Risk of injury caused by the TRINITY 2 tipping over.

- Observe the accident prevention regulations.
- Put the TRINITY 2 on level and stable ground
- Do not place the TRINITY 2 on an unstable trolley or hand truck, stand, tripod, bracket, table or any other unstable support device.
- Always place the TRINITY 2 on dedicated support devices.
- Use only TRINITY 2 components approved by ARRI. The use of components not approved by ARRI is at your own risk. Please observe all relevant safety guidelines

**WARNING**

Overloading the TRINITY 2 by persons or objects

Risk of injury caused by the TRINITY 2 tipping over.

- Do not lean on the TRINITY 2.
- Do not place or hang any unauthorized objects on the TRINITY 2.
- Use only TRINITY 2 components approved by ARRI. The use of components not approved by ARRI is at your own risk. Please observe all relevant safety guidelines

**CAUTION**

Using the TRINITY 2 in a humid environment and with condensation

When moving TRINITY 2 from a cool to a warm location or when the TRINITY 2 is used in a damp environment, condensation may form inside the on internal or external electrical connections. Operating the electrical components while condensation is present bears risk of electric shock and/or fire caused by a short circuit.

- Never operate the TRINITY 2 when condensation occurs.
- After moving the TRINITY 2 from a cool to a warm environment, wait for some time for the system to warm up.
- To reduce the risk of condensation, find a warmer storage location.

**CAUTION**

Hot surfaces on electrical TRINITY 2 components

During extended operation, high data rates and/or operation at high ambient temperatures, the electrical TRINITY 2 components surfaces can get hot. Direct sunlight can result in temperatures above 60° C (140° F).

- Never cover, obstruct or block the fan in- or outlets during operation.
- Do not place the TRINITY 2 near any heat sources during operation.
- At ambient temperatures above 25° C (77° F), protect the ARTEMIS 2 from direct sunlight.
- Do not touch heated parts of the TRINITY 2 after a long film shoot in the sunlight.
Safety Instructions

⚠️ CAUTION ⚠️

Connected cable on the floor
Risk of injury caused by tripping, falling or slipping over connected cables.

- Always properly secure cables connected to the TRINITY 2.
- Install cables in a way that they cannot be tripped over.
- If necessary, use a cable duct or secure the cables with adhesive tape.
- Disconnect the cables from the TRINITY 2 before moving.

⚠️ CAUTION ⚠️

Unhealthy posture or excessive physical exertion during operation
Improper handling of the TRINITY 2 can lead to permanent physical injuries to the human locomotive system.

- Ensure an ergonomic posture when operating and carrying the TRINITY 2.

⚠️ CAUTION ⚠️

Radio radiation caused by external radio accessories
May cause physical impairments such as sleep disturbances and stress.

- Follow the manufacturer's instructions.
- Use only TRINITY 2 components approved by ARRI. The use of components not approved by ARRI is at your own risk. Please observe all relevant safety guidelines.

Advice

Powering TRINITY 2 Head, Top and Bottom Stage at the same time
This would cause more than the allowed amount of volts to flow through the ARTEMIS 2 and TRINITY 2. Risk of damage to the accessories.

- Only use the Top Stage TST-2 in combination with the Battery Hanger Module BHM-2 for the internal power supply of the TRINITY 2 Head.

  Alternatively, an external power source can be used to power the TRINITY 2 head.

- **DO NOT** combine the internal with an external power supply!
7 Overview
7.1 TRINITY 2 Head Overview

Front / right view

- Outer Ring
- Accessorie Interface
- Inner Ring
- SSB-4 Interface
- End Stop
- SAM Zero
- ROLL Motor
- Clamp
- Side to Side Adjustment
- RMB-3 Interface
- Front Panel
- Right Panel
- Post Connection 16pin
- TILT Motor
- Scale
- Hight Adjustment Clamp
- TILT Lock
Junction Box right side

- Camera Power: 12/24V max. 15A
- LBUS
- Tally Aux Out: 12V max. 3A

Junction Box left side

- FF Can: No function, Only for future use
- Aux Out: 12V max. 3A
- Aux Out: 12V max. 3A
- Video In
Panel Left

Available Camera Power Cables

- K2.0039443 Cam Pwr Gen.2, Alexa Mini, Amira, 24V, 8pin
- K2.0039446 Cam Pwr Gen.2, Alexa, 24V, 2pin Fischer
- K2.0039447 Cam Pwr Gen.2, Alexa Mini, Amira, 12V, 8pin
- K2.0039448 Cam Pwr Gen.2, 4 pin XLR, 12V
- K2.0039449 Cam Pwr Gen.2, RED Monstro, 12V
- K2.0039450 Cam Pwr Gen.2, RED Ranger, 24V
- K2.0039451 Cam Pwr Gen.2, Sony Venice, 4pin XLR, 24V

Available Joystick and Monitor Power Cables

- K2.0043861 TRINITY 2 Joystick Cable, 75cm/29.5in
- K2.0043975 TRINITY 2 Joystick Cable, 125cm/49in
- K2.0038998 MTG Monitor Pwr, Lemo 0B, 2pin
- K2.0038999 MTG Monitor Pwr, Lemo 0B, 5pin
Available Video Cables

K2.0041984 12G HD SDI BNC Cable, 0,63m/25in
K2.0044234 12G HD SDI BNC Cable, 0,84m/33in

What is it?
TRINITY 2 is a 5 axis hybrid camera stabilizer system, which enables very special camera movements including 360° rotation on the camera’s lens axis.

What does it do?
Any influences from the movement of the user, which can negatively affect the image, are completely eliminated by the TRINITY 2 system.
In addition, the user can directly influence the position of the camera in space and in relation to the object.

How does it work?
A combination of mechanical and electronic stabilization ensures perfect image quality and the joystick control opens up countless creative possibilities. Automated motion sequences of the TRINITY 2 ensure precise reproduction of tracking shots.
7.2 Center Post Overview

- Upper Fine Thread
- Outer Post 1.8in
- Docking Ring
- Fine Trim
- Clamp Lever
- Inner Post ø1.5in
- Upper Fine Thread
Introduction

The two-stage artemis 1.8in carbon center post offers a tool-free post clamp and a guided telescopic 1.5" inner post. Therefore, monitor brackets and existing accessories based on a 1.5in diameter can be used on with the 1.5" inner post. Only the artemis 1.8in post offers the unique tool-free Fine Trim mechanism for precise length adjustment of the inner post. Finding the perfect drop down is now more than easy with the Fine Trim mechanism. After a filter or lens change, there is no longer a need to open the post or gimbal clamp to adjust the drop down.

Available Center Posts

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>K2.0010489</td>
<td>Carbon Center Post, Ø1.8in</td>
</tr>
<tr>
<td>K2.0041474</td>
<td>Carbon Center Post, Ø1.8in, Short</td>
</tr>
<tr>
<td>KK.0041404</td>
<td>Super Post, Gen.2, Ø1.8in, 3B, 16pin</td>
</tr>
<tr>
<td>KK.0038543</td>
<td>Carbon Center Post, Volt Gimbal, Set</td>
</tr>
<tr>
<td>K2.0041976</td>
<td>Post Extension, Ø1.8in, 3B, 16pin, length 8.5in</td>
</tr>
<tr>
<td>K2.0040332</td>
<td>Post Main Cable, 3B, 16pin</td>
</tr>
</tbody>
</table>

Lengths

The Standard Post and the Volt Post can be extended from 45,5cm / 17,92in to 71cm / 27,95in.

The Shorty Post can be extended from 37cm / 14,56in to 46,5cm / 18,30in.

The Super Post can be extended from 124cm / 48,82in to 200cm / 78,74in.

7.3 Overview Gimbal

The 1.8in gimbal offers high precision, extremely low-friction bearings, a tool-free clamping mechanism and an ergonomic and functional design. The diameter of the knurled grip is 57mm / 2.24in, which provides precise torque and more control even when using heavy cameras. The diameter of the curved gimbal handle 25mm / 0.984in allows mounting a zoom device.
7.4 MGT-1 / MGT-2 Overview
What is it?
The Master Grip TRINITY 2 is a new LBUS based joystick controller for the TRINITY 2, which is available in two versions:
- **MGT-1** with one joystick and three function keys
- **MGT-2** with two joysticks and six function keys
The Master Grip TRINITY 2 is clamped to the handle of the ARTEMIS gimbal.
Another holder allows the installation of a 5in monitor.

What does it do?
With the Master Grip TRINITY 2, tilt and roll can be assigned to the two joysticks and thus controlled by the user with maximum precision.
Since the Master Grip TRINITY 2 works with the LBUS protocol, the zoom axis can also be assigned to one of the joysticks.
The freely assignable function buttons can trigger a variety of actions in the RCP-3. Such as: Home Position, True Tilt, True Roll, Limits ON / Off and of course user presets can also be called up.

How does it work?
The Master Grip TRINITY 2 uses high-resolution, extremely sensitive Micro Force joysticks.
In the RCP-3, all necessary settings such as speed, ramp, dead band, direction and sensitivity can be perfectly adjusted to the user's requirements.
The Master Grip TRINITY 2 offers two mounting brackets.
One of the mounting brackets is clamped to the handle of the ARTEMIS gimbal and the other mounting bracket holds a 19mm rod which allows the installation of a 5in monitor.

What problems does it solve?
The Master Grip TRINITY 2 enables all segments, such as brackets, joysticks and handle, to be freely positioned in relation to each other.
In this way, every user can position the Master Grip TRINITY 2, the joystick, the function keys and the monitor in the perfect position.
The full LBUS integration also enables perfect integration in broadcast applications, as the MGT-2 can be combined with LCUBE CUB-2 K2.0010681.
### 7.5 Remote Control Panel Overview

**What is it?**

The RCP-3 is a compact and lightweight remote control that is programmed and controlled by the user via a 5in touch panel.

In addition to input through the touch panel, various values can also be programmed into the RCP-3 using four freely assignable encoders, turn-push encoders.

External controllers such as the Digital Remote Wheels DRW-1, Digital Encoder Head DEH-1, Master Grips, Operator Control Unit OCU-1 and future controllers can be connected via the LBUS and FS Can Bus.
What does it do?
The RCP-3 is used to set up and control the TRINITY 2 system. Depending on the camera, lens and accessories used, parameters such as the power and torque of the motors of the TRINITY 2 must be set to the total payload of the camera setup. The user can also program the general function, the speed and other parameters of the Master Grip TRINITY 2 joystick via the RCP-3 to suit their personal preferences.

How does it work?
The RCP-3 uses a newly developed user-friendly GUI (Graphical User Interface), which divides the application of the TRINITY 2 into three areas.

1. Setup of the PID values.
   Setting the PID values, or in other words, the power and torque of the motors, as well as the responsiveness of the entire control loop.

2. Adjustment of the joystick and other controllers to the needs of the user.
   For example direction, as well as the speed, sensitivity and ramp of the joystick.

3. The RCP-3 can also be used to control the lens via the LBUS.
   With the Master Grip TRINITY 2 / MGT-2, the user can now control the tilt axis and zoom of the lens simultaneously with just one hand.
What problems does it solve?

Since the RCP-3 can be mounted on the bottom of the TRINITY 2, the user can make the necessary settings at any time.

In this way, the user can react spontaneously to changes in the camera setup and avoid unnecessary downtime.

At the back of the RCP-3 there is a new kind of a radio module interface (RIA) in which the optional RF-2400 Radio Module 2400 MHz can be mounted.

With the RCP-3 wireless mode, a second operator or the DOP can control the tilt and roll axis via the Digital Remote Wheels DRW-1 ARRI wheels.

In addition, a technician can also take care of the PID and other settings, while the TRINITY 2 operator concentrates exclusively on the image and the framing.
7.6 Top Stage and Bottom Stage Overview

[Diagram of Top Stage and Bottom Stage with labeled parts: Lens, Safety Pin, Fore and Aft Drive Knob, Brackets Threads, Clamp Mechanism, Side to Side Drive Knob, Safety Latch, Clamp Lever, Clamp Block, Clamp Pads, Safety Lock, Side to Side Drive Knob, HEX Screw 3/8", Fore and Aft Drive Knob, Spirit Bubble, Location Pins, Docking Ring, Post Tool Holes, Label Serial Number]
In the ARTEMIS 2 application, LBUS and CAN Bus are not used.
The TST and BST are available in two versions:

TST-1 & BST-1
- TST-1 & BST-1 is available as an upgrade for existing artemis Gen. 1 and TRINITY Gen. 1 systems using a 3B Lemo 10pin, two video lines socket and main cable.

TST-2 & BST-2
- TST-2 & BST-2 for ARTEMIS 2 and TRINITY 2 systems using a 3B Lemo 16pin, two video lines socket and main cable.

What is it?
The newly developed Top Stages TST-1 and TST-2 fulfill important functions of a camera stabilization system, such as:
- In combination with an ARTEMIS camera stabilizer, the camera can be attached to the TST-1 and TST-2 modules, positioned and supplied with 12V and 24V power.
- In combination with the TRINITY systems, the Top Stages TST-1 and TST-2 modules carries the new Battery Hanger module BAH-2 as also the Battery Hanger of the TRINITY Gen. 1 systems.
- The design and functionality of the Bottom Stage BST-1 and BST-2 is based on the design of the Top Stage TST-1 and TST-2.

What does it do?
The new Top Stage combines a very compact design with extremely high overall rigidity and a future-proof modular design.
- The conversion to the SAM dovetail plate standard enables a significantly higher rigidity of the dovetail bracket, which has been improved even further by a completely newly developed clamping mechanism.
- The new clamping mechanism allows the SAM dovetail plate to be picked up from above, as well as from behind or from the front.

Thus, the BST is perfect for use with the Battery Hanger BAH-2 at the lower end of the post.

How does it work?
The modular design of the new Top Stages TST-1 and TST-2 separates mechanical functions from electronic components, which simplifies service and enables later upgrades.
- As a new standard the new Top Stages TST-1 and TST-2 uses a new 8pin Lemo 2B main power socket that offers 12V, 24V and battery communication.
- Beside two 6G HD SDI video lines, the Top Stage and Bottom Stage is equipped with LBUS Through and additional data lines for future use.
- If a lower camera position is desired on top of the ARTEMIS, the modules can also be swapped.
- The Top Stage now holds the Battery Hanger at the bottom of the post and the Bottom Stage is used at the top of the post to hold the camera using the SAM plate.
- This modularity offers you maximum flexibility in building the perfect rig.

What problems does it solve?
The SAM standard enables extremely quick and tool-free changes from a tripod or handheld setup to an ARTEMIS or TRINITY application within seconds.
- The exact front and rear and side-to-side adjustments can be made from either side of the Top Stage. So it doesn't matter if you are left handed or right handed.
- The modular design enables the user to carry out essential settings himself, as well as simple and fast service by the local ARRI service.
7.7 Battery Hanger Module Overview

What is it?
The new Battery Hanger Module **BHM-2** is a future proof high-performance power supply for ARTEMIS 2 and TRINITY 2 camera stabilizer systems. Regardless of the batteries used, whether 12V or 24V batteries, the **BHM-2** always supplies 12V and 24V for the camera and the accessories used.

What does it do?
If 12V batteries are used, 24V will be transformed from the 12V if 24V power supply is required. It works the same way if only 24V batteries are connected, then the needed 12V power supply is down transformed from the 24V.

With the **BHM-2**, up to three batteries (V-Mount, B-Mount and Gold Mount) can be connected to the **BHM-2** and their power can be bundled.
**How does it work?**

Since all batteries always work together, the intelligent battery management enables extremely long runtimes for the entire system, even with high consumption. This means that even very small and light batteries can be used without having to worry about the overall life of the batteries. If the Battery Hanger Module, **BHM-2** is used with a TRINITY 2, the **BHM-2** always supplies the necessary 24V for the motors and at the same time 12V for the control electronics.

**What problems does it solve?**

The modular design of the Battery Hanger Module, **BHM-2** takes up to three Battery Mounting System **BMS-2**, which can be placed easily and quickly in any desired position on the 19mm rods.

The **BHM-2** can handle different communication protocols and displays the battery information as long as the batteries provide this kind of information.

The combination of the **BHM-2**, which is equipped with 19mm rod, and the freely positionable battery system allows the size and weight distribution of the counterweight in the lower slide to be designed in an unprecedented way.
7.8 Battery Mounting System Overview

Top View

- M4 Screws
- Location Pin
- Rod Clamp Wing Nut
- Pogo Pins
- Circuit Board

Bottom View

- M4 Screws
- Rod Clamp Wing Nut
- 3/8in Thread
- RMB-3 Mount
- Circuit Board

Bottom View

Battery Mount

- M4 Threads
- Location Pin Receiver
- Labels
- Pogo Pins
**What is it?**

The newly developed Battery Mounting System enables extremely flexible use and attachment of three different battery types **B-Mount**, **V-Mount** and **Gold-Mount** on the TRINITY 2 and TRINITY Gen. 1 and ARTEMIS 2.

**How does it work?**

The battery holder system consists of a base module with a the rod clamp mechanism to which three different battery holders can be attached quickly and easily.

The newly developed clamping mechanism allows the **BMS-2** and **BMS-1** to be mounted on the 19mm rods of the new Battery Hanger **BAH-2** as well as on the 18mm rods of the of the TRINITY Gen. 1 Battery Hanger.

**What problems does it solve?**

The new clamping mechanism allows the Battery Mounting System to be attached directly to the desired position.

The cumbersome pushing of the mounts onto the rods is no longer necessary.

**Which combinations are possible?**

There are currently three different battery mounts available to be used with the Battery Hanger Modul **BHM-2**: **B-Mount (24V)**, **V-Mount (12V)**, **Gold Mount (12V)**

There are two versions of the Battery Mounting System:

**BMS-2** with **2B Lemo 4pin**

for Battery Hanger Modul **BHM-2** K2.0039300

and

**BMS-1** with **1B Lemo 3pin** for the TRINITY Gen. 1 Battery Hanger **BHM-1** K2.0037707

The **BMS-2** can be combined with the:

- B-Mount for **BMS-2** K2.0040284
- V-Mount for **BMS-1 / BMS-2** K2.0040286
- Gold Mount for **BMS-1 / BMS-2** K2.0040285

The **BMS-2** transmits status information of the batteries as soon as the batteries offer data communication.

The **BMS-1** can be combined with the:

- V-Mount for **BMS-1 / BMS-2** K2.0040286
- Gold Mount for **BMS-1 / BMS-2** K2.0040285

The **BMS-1** does not transmit any status information of the batteries.

**BMS-1** can **NOT** be used with the **B-Mount (24V)** battery mount.
8  Installation and Operation

**WARNING**

**Falling Camera Accessories**

If the system is inadequately built up or assembled, it can fall down and cause serious injuries and damage to the system or property.

- Installation and operation may only be carried out by trained personnel who are familiar with the system. Observe accident prevention regulations.
- Do not place the system on an unstable trolley or hand truck, stand, tripod, bracket, table or any other unstable support device.
- Always place the camera on dedicated support devices.
- Secure the system and its accessories against falling and tipping over. Observe the general and local safety regulations.
- When using the system on camera cranes, a suitable safety rope must be used.
- Use only accessories approved by ARRI. The use of accessories not approved by ARRI is at your own risk. Please observe all relevant safety guidelines.

**CAUTION**

**Improper installation of camera accessories**

Crushing hazard for fingers and/or hands.

- Before mounting ARRI accessories or recommended third-party accessories (such as lenses, mechanical accessories, electronic accessories), read the operating instructions provided by the manufacturer.
- Always use the tools specified by the manufacturer for mounting.

**CAUTION**

**Improper vertical adjustment of the camera stabilizer ring**

Crushing hazard for fingers and/or hands after opening the clamping levers.

- Before mounting the camera stabilizer ring, read the operating instructions provided by the manufacturer.
- The height of the stabilizer ring should always be adjusted by two people
- Always use the tools specified by the manufacturer for mounting.

### 8.1 TRINITY Head 2 Installation and Operation

#### 8.1.1 Installing TRINITY 2 Head

**Tilt-Lock**

1. Lock the Tilt-Lock first!
Power OFF

2. Move both power switches to the OFF position.

Ring Main Cable

3. Plug in the Ring Main Cable.

**ADVICE**

Removing the Ring Main Cable while the TRINITY 2 head is powered on  
Risk of damage to the accessories.

- **DO NOT** remove the Ring Main Cable while the TRINITY 2 head is powered on.

Post Assembly

4. Carefully place the TRINITY 2 head onto the 1.8in center post.

**NOTE**  
The display of the TRINITY 2 head must point in the same direction as the display of the battery hanger.

Tighten Docking Ring

5. Use the Post Tool to tighten the Docking Ring.
8.1.2 Installing SAM Dovetail Plates to TRINITY 2 Head

**Tilt-Lock**

1. Check if the Tilt axis is locked.

---

**CAUTION**

Moving clamp lever without safety lock  
Risk of crushing fingers.

- Do not pull on the clamp lever before the safety lock has been released!  
- Do not pull on the clamp lever and slide the safety latch at the same time!

---

**Safety Latch**

2. Touch the safety latch with your thumb and slide it fully to the right.

---

**Clamp Lever**

3. Place your index finger behind the clamping lever and pull the clamping lever forward until it reaches the end stop on the left side.
Insert SAM Plate

4. Slide the SAM dovetail plate in from the back.

Safety Lock

5. To fully seat the SAM dovetail plate, push the safety lock all the way in.

Locking Clamp Lever

6. After the camera has reached the desired position, push the clamp lever all the way to the right until the clamp mechanism is securely locked.
Camera Dovetail Plates

**ADVICE**

Using the SAM plates will speed up the camera setup and later the balancing process. The special height of every SAM plate will lift the dedicated camera right into the center of the TRINITY 2 inner ring. This way a perfect COG of the camera is guaranteed.

Available SAM plates and lens support brackets.

- K2.0041201  Stabilizer Adapter Mount SAM-Zero
- K2.0018851  Stabilizer Adapter Mount SAM-1 for ALEXA
- K2.0014215  Stabilizer Adapter Mount SAM-2 for ALEXA
- KK.0016116  Stabilizer Adapter Mount SAM-2 Set for ALEXA Mini
- K2.0014630  Stabilizer Adapter Mount SAM-3 Set for AMIRA
- K2.0024508  Stabilizer Adapter Mount SAM-6
- K2.0039405  Stabilizer Adapter Mount SAM-6 450mm/18in
- K2.0034512  CSS Broadcast Dovetail Plate (SAM plate standard width)
- K2.0039803  Stabilizer Plate for CBP 355mm/14in
- K2.0038536  Stabilizer Plate for CBP 450mm/18in
- K2.0033662  Stabilizer Adapter Mount SAM-4
- KK.0038971  Long Stabilizer Mount 15mm Mini/Mini
- KK.0038972  Long Stabilizer Mount 19mm Mini/Mini LF
- K2.0039089  Compact Lens Support CLS-1
- K2.0040036  Balance Utility Dovetail BUD-2
- K2.0039861  Dovetail Utility Base DUB-1
- K2.0038537  Stabilizer System Bracket SSB-2 19mm
- K2.0038618  Stabilizer System Bracket SSB-2 15mm
8.1.3 Installing the Camera to TRINITY 2 Head

Tilt-Lock

1. Move the Lock lever to the left in the Locked position.

Safety Latch

2. Touch the safety latch with your thumb and slide it fully to the right.

Clamp Lever

3. Place your index finger behind the clamping lever and pull the clamping lever forward until it reaches the end stop on the left side.

Placing the camera

4. Gently slide the camera into the ring from either the front or back.
5. Bring the camera as close as possible to its center of gravity.
6. Lock the dovetail clamp mechanism.
7. Assemble all required accessories such as focus motors, transmitters, connect all required cables such as camera power and video cables.
Tilt Lock

8. **Open** the Tilt-Lock.

Center of Gravity

9. Move the camera forth and back until it reaches its center of gravity **COG**.

Locking Clamp Lever

10. After the camera has reached the desired position / COG, push the clamp lever all the way to the right until the dovetail clamp mechanism is securely locked.

Side to Side Lock

11. Open the side locking mechanism by pushing the clamp lever to the left.
Side to Side Fine Adjustment

12. Turning the fine adjustment to the right moves the camera further to the right. Turning left moves the camera further to the left.

Locking the Side to Side Movement

13. After the camera has reached the desired position, push the clamp lever all the way to the right.

8.1.4 Height Adjustment

Introduction

In order to be able to move the camera and all components on the tilt axis through the TRINITY 2 head, the height of the tilt axis / tilt motors must be adjusted in relation to the rear length of the camera from the COG.

Tilt-Lock

1. Open the Tilt Lock.

2. Double check the center of gravity of the camera. The camera must be neutrally balanced!
CAUTION

Fingers between top cover and Camera
Risk of crushing fingers.

- Make sure that your fingers do not get between the top cover and the camera while checking the tilt axis.

Checking the current height of the tilt axis

3. Slowly and carefully tilt the rear of the camera until the bottom corner of the camera approaches the top cover of the TRINITY head.

Minimum height of the tilt axis

4. To ensure enough clearance for the ring main cable, which is located on the back of the camera, a minimum distance of approx. 25mm/1in be available.

Height Adjustment Clamps

5. Open the four wing clamp screws and raise the complete tilt together with your assistant.

6. Make sure the small notch on all 4 rod clamps is exactly on the same line!

7. Once the desired position has been reached, tighten all four wing clamp screws.
8.1.5 Turning on the system

**ADVICE**

Powering TRINITY 2 head, Top and Bottom Stage at the same time
This would cause more than the allowed amount of volts to flow through the ARTEMIS 2 and TRINITY 2. Risk of damage to the accessories.

- Only use the Top Stage TST-2 in combination with the Battery Hanger Module BHM-2 for the internal power supply of the TRINITY 2 Head.
  
  Alternatively, an external power source can be used to power the TRINITY 2 head.

- **DO NOT** combine the internal with an external power supply!

**CAUTION**

Automatically move to the home position
Risk of crushing fingers. The camera / tilt and roll axis will automatically move to the home position, after turning on the stabilization.

- Make sure that your fingers do not get between the top cover and the camera while checking the tilt axis.

**Main Power On**

1. Bring the switcher into the **ON** position.

**ATTENTION**

After switching on, the TRINITY 2 head is supplied with 24V, camera, monitor, accessories are supplied with 12V and 24V, depending on the case.

The **motors are not yet active** as long as the Stabilizer is set to **OFF**.

As long as the Stabilizer is **OFF**, you can work on the camera setting.
Stabilizer ON

2. Turn the Stabilizer ON, when the camera preparation is complete. → Observe the camera after turning on the stabilization, the camera Tilt and Roll axis will automatically move to the Home Position.

Onboard GUI

3. Additional functions can be controlled via the Jog-Wheel and read out via the display.

Cable Connections

4. Connect the joystick cable and video cable with the Master Grip TRINITY 2 and the monitor.

8.2 Center Post Installation and Operation

8.2.1 Center Post 1.8in Installation

(Standard Post, Volt Post, Shorty Post, Super Post)

Extending the Center Post

Changing center post position:

1. Open the post clamp lever.

2. Slide or pull the inner post to the desired position. → The center post is positioned.
Fine Trim Mechanism

The Fine Trim allows:

- To adjust the length of the inner post and extremely accurately set the resulting drop down time.
- To add more drop down if needed, or to reduce drop as much to get the rig very easily into a „dirty low mode“.
- An overall movement of 22mm / 0,86in.

**ATTENTION**

Adjust the Fine Trim halfway before balancing.

### 8.2.2 Center Post Clamp Force Adjustment

**ADVICE**

Overtighten the leveling screw

This will cause the clamping force to become excessive and the Carbon Center Post may be damaged.

- Turn the silver nut by a 1/8 or 1/4 turn to the right. NOT more!

**ADVICE**

If the clamping force of the Center Post clamp weakens, **clean** the Inner Post with isopropanol, before you adjust the clamping force.

**Clamp Force Adjustment**

1. Open the clamp lever.

2. Turn the silver nut by a 1/8 or 1/4 turn to the right, to adjust the clamp force.
   → The clamping force is adjusted.

### 8.3 Gimbal Installation and Operation

#### 8.3.1 Installing the 1.8in Gimbal to the Center Post

**Preparation:**

- Remove the top stage from the center post
Prepare Post Tool (K2.0040046) for Installation

1. Use the **Post Tool** to open the centering ring by turning it to the left.

2. Open the gimbal clamp lever
3. Put the gimbal on the post.
   \[ \text{→ The Gimbal is ready for the positioning on the center post.} \]

**Positioning the Gimbal**

After the gimbal sits on the post, it can be positioned.

**ADVICE**

- Overtighten the center ring!
  May cause damage.

- **Tighten the center carefully.**
  It is not a clamp lever!

1. Tighten carefully the center ring.

2. Move the gimbal to the desired position by rotating and sliding the gimbal.

3. Lock the clamp lever.
   \[ \text{→ The Gimbal is positioned.} \]
8.3.2 Adding Components

Gimbal Handle Extension (K2.0010569)

**ADVICE**

Do not over tighten the centering ring!
It is not a clamp!

**ATTENTION**

Make sure all handle parts are tight!
Stop using the gimbal once one of the handle parts comes loose.

**ADVICE**

For a more permanent connection, apply two drops of Loctite 222 to the threads.

1. Hold the straight gimbal handle and turn the curved gimbal handle to remove the curved handle.

**Gimbal Handle Extender assembly**

2. First screw the extender onto the straight handle.

**Curved Handle assembly**

3. Then screw the curved handle onto the extender.
Knurled Grip Gimbal Extension, Ø1.8in (K2.0014280)

Removing Centering Ring

1. Remove the Top Stage first.

2. Use the Post Tool (K2.0040046) to open the Centering Ring by turning it to the left.

3. Remove the Centering Ring from the Gimbal.

Knurled Grip assembly

4. Slide the knurled grip gimbal extension over the post and place it carefully on top of the gimbal.

5. Carefully tighten the knurled grip gimbal extension.
TIFFEN M1 / M2 Post Gimbal Inserts (K0.0040291)

Removing Centering Ring

1. Remove the Top Stage first.

2. Use the Post Tool (K2.0040046) to open the Centering Ring by turning it to the left.

3. Remove the Centering Ring from the Gimbal.

Removing the Delrin Sleeve

4. Remove the Delrin Sleeve from the Gimbal.

Insert the Upper Delrin Sleeve

5. Place the upper Delrin Sleeve.

6. Remove any grease at the inside of the insert.

7. Place the centering ring and carefully tighten it.

Insert the lower clamp insert

8. Squeeze the insert with your fingertips and slide it down into the gimbal
8.3.3 Gimbal Clamp Force Adjustment

**ADVICE**

Overtighten the leveling screw
This will cause the clamping force to become excessive and the Carbon Center Post may be damaged.

- Turn the silver nut by a 1/8 or 1/4 turn to the right. NOT more!

**ADVICE**

If the clamping force of the Gimbal clamp weakens, clean the Outer Post with isopropanol, before you adjust the clamping force.

Clamp Force Adjustment

1. Open the clamp lever.

2. Turn the silver nut by a 1/8 or 1/4 turn to the right, to adjust the clamp force.
   → The clamping force is adjusted.
8.4 Master Grip TRINITY 2 Installation and Operation

8.4.1 Mounting the Master Grip TRINITY 2 on the Gimbal

Gimbal Mounting Bracket

1. Before you begin, make sure the gimbal handle extension is also attached.
2. Open the clamp lever of the Mounting Bracket
3. Place the Master Grip TRINITY on the gimbal grip as close as possible to the bend.
4. When you have reached the desired position, tighten the clamp wing nut.
8.4.2 Mounting a Monitor Mount on the Master Grip TRINITY 2

Mounting the 19mm rod

1. Loosen the mounting bracket clamp lever.

2. Slide the 19mm rod into the insert.

Mounting the Monitor Adapter

3. There are two different monitor adapters to choose from:
   - Monitor Adapter for Transvideo....K2.0014831
   - Monitor Adapter for Small HD......K2.0014832

4. Slide the monitor adapter on the 19mm rod and bring it in the desired position.

5. Tighten the clamp.

Height Adjustment

6. Open the clamp lever.

7. Move the mount in the desired position.

8. Tighten the clamp lever.
8.4.3 Mounting Transvideo Starlite Monitor

Location pins

1. Remove the location pins.

Monitor Position

2. Place the monitor and bring it in the desired angle.

3. Tighten the screw at the back.

Monitor Power

4. Connect the MTG Monitor Pwr, Lemo 0B, 5pin (K2.0038999) with the Transvideo / ARRI Starlite monitor and with the upper LBUS Socket at the Master Grip TRINITY 2.

ATTENTION

If you are using a standard Transvideo Starlite monitor with a 2pin Lemo socket, use the MTG Monitor Pwr, Lemo 0B, 2pin (K2.0038998).

Joystick Cable

5. Connect the TRINITY 2 Joystick Cable 75cm/29.5in (K2.0043861) with the lower LBUS Socket at the Master Grip TRINITY and with the LBUS Socket at the TRINITY 2 head.
8.4.4 Mounting Small HD 503 Monitor

Monitor Position

1. Place the monitor.
2. Bring it in the desired angle.
3. Tighten the screw at the back.

Monitor Power

4. Connect the MTG Monitor Pwr, Lemo 0B, 2pin (K2.0038998) with the SmallHD monitor and with the upper LBUS Socket at the Master Grip TRINITY 2.

Joystick Cable

5. Connect the TRINITY 2 Joystick Cable 75cm/29.5in (K2.0043861) with the lower LBUS Socket at the Master Grip TRINITY 2 and with the LBUS Socket at the TRINITY 2 head.
8.4.5 Positioning of the Master Grip TRINITY 2

The Master Grip TRINITY 2 / MGT-1 & MGT-2 enables all segments, such as brackets, joysticks and handle, to be freely positioned in relation to each other. In this way, every user can position the Master Grip TRINITY 2, the joystick, the function keys and the monitor in the perfect position.

**Adjustment Screws**

1. Loosen both adjustments screws, by max. 2 turns.

**Gimbal Mounting Bracket Position**

2. If desired, the Master Grip TRINITY 2 can be placed directly over the gimbal handle.

3. Or raise the monitor mounting bracket in a different position.

**Joystick Position**

4. Or move the joystick to a comfortable position.

5. When all segments are in place, tighten the screws.
8.5 RCP-3 Installation and Operation

8.5.1 RCP-3 Installation

Mounting the Rod Clamp Bridge vertical

1. Open the rod clamp wing nut by turning it counterclockwise.

2. If necessary, move the top screw to the middle hole. Pushing away the clamping slide makes it easier to move the screws.

3. Tighten both screws.

Mounting the Rod Clamp Bridge horizontal

1. Open the rod clamp wing nut by turning it counterclockwise.

2. If necessary, move the top screw to the lower hole. Pushing away the clamping slide makes it easier to move the screws.

3. Tighten both screws.

8.5.2 Power ON / OFF

To turn the RCP-3 ON and OFF, press and hold down the Jog-Wheel until the ARRI logo appears on the display.
8.5.3 Jog-Wheels

Once the Jog-Wheels have been assigned a function, these can be used to quickly and intuitively change values such as speed, ramp by turning the Jog-Wheel.

At the same time, the button function allows you to trigger ON / OFF functions such as: Home Position, True Tilt, True Pan, etc.

8.5.4 Radio Module

Attaching the Radio Module

1. Open both Rod Clamp Bridge screws to allow some more clearance.

2. Insert the Radio Module by fitting it into the radio module slot and sliding it downwards until the Release Button pops back out.

3. Tighten both screws again.

Removing the Radio Module

1. Open both Rod Clamp Bridge screws to allow some more clearance.


3. Pull the radio module out of the radio module slot.

4. Tighten both screws again.
8.6  TST and BST Installation and Operation

<table>
<thead>
<tr>
<th>ADVICE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Powering TRINITY 2 Head, Top and Bottom Stage at the same time</strong></td>
</tr>
<tr>
<td>This would cause more than the allowed amount of volts to flow through the ARTEMIS 2 and TRINITY 2. Risk of damage to the accessories.</td>
</tr>
</tbody>
</table>

- DO NOT power the TRINITY 2 Head, Top and Bottom Stage at the same time.
- Use for powering TRINITY 2 Head OR Top Stage OR the Bottom Stage.

8.6.1 Installing TST/BST to Center Post

1. Locate the red dot on the main cable plug and socket. When both marks are aligned, insert the Lemo 3B plug into the socket.

2. Carefully place the **Top Stage / Bottom Stage** onto the center post fine thread.

3. Turn the blue **Docking Ring** with your fingers until the thread fully engages.

4. Use the **Post Tool** to finally tighten the Docking Ring.
8.6.2 Installing SAM dovetail plates

**CAUTION**

- Moving clamp lever without safety lock
  - Risk of crushing fingers.

- Do not pull on the clamp lever before the safety lock has been released!
- Do not pull on the clamp lever and slide the safety latch at the same time!

1. Touch the safety latch with your thumb and slide it fully to the right.

2. Place your index finger behind the clamping lever and pull the clamping lever forward until it reaches the end stop on the left side.

3. Place the slightly inclined SAM dovetail plate and then lay it flat in the top stage as shown here
4. Move the clamping lever to the 45 ° position.
→ The dovetail plate is already completely secured and can no longer be removed upwards. On the other hand, the dovetail plate can still be moved fore and aft in this position and thus the camera’s COG can be roughly positioned.

5. Move the clamping lever all the way to the right.

6. Press the clamping lever into the end position, to finally block the dovetail plate.
→ The SAM dovetail plate is mounted.

Camera Dovetail Plates

**ADVICE**

Using the SAM plates will speed up the camera setup and later the balancing process. The special height of every SAM plate will lift the dedicated camera right into the center of the TRINITY 2 inner ring. This way a perfect COG of the camera is guaranteed.

Available SAM plates and lens support brackets.

- K2.0041201 Stabilizer Adapter Mount SAM-Zero
- K2.0018851 Stabilizer Adapter Mount SAM-1 for ALEXA
- K2.0014215 Stabilizer Adapter Mount SAM-2 for ALEXA
- KK.0016116 Stabilizer Adapter Mount SAM-2 Set for ALEXA Mini
- K2.0014630 Stabilizer Adapter Mount SAM-3 Set for AMIRA
- K2.0024508 Stabilizer Adapter Mount SAM-6
- K2.0039405 Stabilizer Adapter Mount SAM-6 450mm/18in
- K2.0034512 CSS Broadcast Dovetail Plate (SAM plate standard width)
- K2.0039803 Stabilizer Plate for CBP 355mm/14in
- K2.0038536 Stabilizer Plate for CBP 450mm/18in
- K2.0033662 Stabilizer Adapter Mount SAM-4
8.6.3 Adjusting Clamping Force

If the clamping force of the clamping mechanism decreases:

- Check that the clamping pads are clean. Remove dirt or grease with isopropanol.
- Check whether the clamping pads still cover the entire area. If parts of the clamp pads are gone, please contact ARRI Service.

**ADVICE**

Overtighten the leveling screw

This will cause the clamping force to become excessive and the Clamp Pads may be damaged.

- Turn the silver nut by a 1/8 or 1/4 turn to the right. NOT more!

**Clamp Force Adjustment**

1. Open the Clamp Lever.

2. Turn the silver nut by a 1/8 or 1/4 turn to the right, to adjust the clamp force.
   → The clamping force is adjusted.
8.7 Battery Hanger Module Operation and Installation

8.7.1 Battery Hanger Module BHM-2

Mounting BHM-2 to TST / BST

1. Unlock and open the Top / Bottom Stage clamp mechanism.

2. Align the Battery Hanger Module dovetail with the Top / Bottom Stage mount.

3. Lift the Battery Hanger Module completely into the Top / Bottom Stage.

4. Lock the dovetail clamp mechanism.

8.7.2 Mounting 19mm Rods

1. Turn both Rod Clamp wing nuts to the left to open the clamp mechanism.

2. Insert the 19mm rods.

3. Tighten both rod clamp wing nuts.

**ATTENTION**

Do not over tighten, when using carbon fiber rods.

Mounting the hinge and the short 19mm rods

1. Aligning the long 19mm rods.
2. Open both wing nuts.
3. Place the hinge on the long 19mm rods. Tighten the wing nuts.
4. Open the clamp screws.
5. Place the short 19mm rods. Tighten the clamp screws.

**ATTENTION**

Do not over tighten, when using carbon fiber rods.
8.7.3 Battery Mounting System

Installation BMS-2

1. Place the Battery Mount on the BMS-2 base.

**ATTENTION**

Make sure the location pin is aligned with the receiver hole and that the pogo pins line up with the receiver pads on the circuit board.

2. Use a 3mm allen wrench to tighten all four screws.

8.7.4 Battery Hanger Module

Mounting Battery Mounts BMS-2 to the BHM-2

1. Open the rod clamp wing nut.

2. Positioning the battery mount on the 19mm rods.

3. Tighten the clamp wing nut.
Free Positioning of the Battery Mounts BMS-2

The combination of the BHM-2, which is equipped with 19mm rods, and the freely positionable BMS-2 allows the size and weight distribution of the counterweight in the lower slide to be designed in an unprecedented way.

8.7.5 Connecting the Battery Mounts to the Battery Hanger Module

The battery mounts BMS-1 & BMS-2 are equipped with a Lemo 90° elbow connectors. In order to give you more flexibility when placing the battery mounts, the three Battery In sockets can be rotated by 90° and the elbow plug can be placed in the required position.

Right side

BAT IN 1 and BAT IN 3 can be brought into the desired position by turning the sockets 90° around below.

**ADVICE**

Do not turn the Bat In sockets upside down. Only turn the sockets around underneath!
Left Side

Same procedure with the BAT IN 2.

**ADVICE**

**Do not** turn the **POWER OUT** Socket!
*This socket is fixed and cannot be rotated.*

### 8.7.6 Connecting the Battery Hanger Module to the Top / Bottom Stage

The **POWER OUT** socket of the Battery Hanger provides high capacity 12V and 24V power, plus digital battery communication to the ARTEMIS 2 and TRINITY 2 system as soon the **BHM-2** is connected to the Top Stage **TST-2** or Bottom Stage **BST-2**.

**ATTENTION**

**Hot Plug**

Check that the **BHM-2** is switched **OFF** before connecting it to the **TST-2** and **BST-2**.

Connecting an operating **BHM-2** to the system, may produce an unwanted **electrical surge**!

Connect the Power Cable, BHM-2 to TST (K2.0037771) to the **POWER OUT** socket of the Battery Hanger Module and the **POWER IN** socket of the Top / Bottom Stage.

### 8.7.7 Power ON / OFF

To turn the BHM-2 / the entire system **ON** and **OFF**, **press and hold** down the Jog-Wheel until the ARRI logo appears on the display.
8.7.8 Jog-Wheel Functions

Turning the Jog-Wheel takes you through the various status pages.

A double click on the Jog-Wheel opens the menu. There you set up the Battery Hanger modes or carry out software updates in the System sub menu.

Modes and functions can be selected and activated by turning and pressing the Jog-Wheel.

8.7.9 TRINITY / ARTEMIS Mode

**ADVICE**

The BHM-2 offers two different modes: ARTEMIS and TRINITY.

Technically and functionally, both modes are exactly the same, they only differ in the way the display acts.

In ARTEMIS mode, the display is rotated by 180° as soon as the ARTEMIS was moved into the low mode position.

In TRINITY mode, the display will turn off as soon as the system is raised above 40° in the tilt axis.
Switching ARTEMIS / TRINITY Mode

1. **Double-click** the Jog-Wheel.
2. **Turn** the Jog-Wheel left to reach the current mode.
3. **Click** the actual mode once
4. Select the mode you want, by clicking once
5. Or select Exit to cancel the action

8.7.10 Battery Status

**Home Screen BHM-2**

This main page is displayed after switching on the BHM-2.

It shows the selected modes:

**TRINITY** or **ARTEMIS**

Simultaneously or One By One

and the available total capacity of the 12V and 24V power lines.

**Battery Status / System Status**

This page shows the available capacity in volts or percent of each battery.

Values in percent can only be displayed if the batteries offer one of the supported battery communication protocols.

If there is no such battery communication protocol available, the values are displayed in Volt only.

If no battery is connected to the input or the battery is completely discharged, a line is displayed.
Turning the Jog-Wheel takes you to this page. The current consumption in amp of the individual batteries can be read out here.

All types of warnings are displayed in orange color.

**ADVICE**

**Using 24V batteries**

**Shutdown** when the output voltage is less than 23.0 volts.

**Single battery warning** when the voltage is less than 23.9 volts.

**Single battery warning** when percent reading is less than 20%.

**24V Line warning** when the output voltage is less than 23.9 volts.

**Low voltage warning** when less than 10% of all batteries.

**Low Voltage warning** when all 24V voltages are less than 23.9 volts.

**Overvoltage** warning if more than 35 volts are measured with 24 volt batteries.
## ADVICE

### Using 12V batteries

**Shutdown** when the output voltage is **less** than 11.0 volts.

**Single battery warning** when the voltage is **less** than 11.9 volts.

**Single battery warning** when percent reading is **less** than 20%.

**24V Line warning** when the output voltage is **less** than 11.9 volts.

**Low voltage** warning when **less** than 10% of all batteries.

**Low Voltage** warning when all 12V voltages are **less** than 11.9 volts.

**Overvoltage warning if more** than 25 volts are measured with 12 volt batteries.

---

### 8.7.11 General Working Method / BHM-2

#### Overview

The Battery Hanger Module **BHM-2** provides constant 12V and 24V regardless of whether 12V or 24V batteries are connected.

<table>
<thead>
<tr>
<th>12 Volt Line</th>
<th>100 %</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRINITY SIM</td>
<td></td>
</tr>
<tr>
<td>24 Volt Line</td>
<td>100 %</td>
</tr>
</tbody>
</table>

#### Use of 12V batteries

If up to three **12V batteries** are connected, 12V will be supplied **directly** to the 12V consumers.

As soon as a **24V consumer is detected**, the BHM-2 supplies a **regulated 24V** to this consumer.

The **12V** supply is shown in **percent** as long as battery communication is available, the **24V** supply is shown in **Volts** only.

#### Use of 24V batteries

If up to three **24V batteries** are connected, 24V will be supplied **directly** to the 24V consumers.

As soon as a **12V consumer is detected**, the BHM-2 supplies a **regulated 12V** to this consumer.

The **24V** supply is shown in **percent** as long as battery communication is available, the **12V** supply is shown in **Volts** only.

#### Combined use of 12V and 24V batteries
If 12V batteries and 24V batteries are connected, 12V will be supplied directly to the 12V consumers and 24V directly to 24V consumers.

As soon as a 12V consumer is detected, the BHM-2 supplies a regulated 12V to this consumer.

As soon as a 24V consumer is detected, the BHM-2 supplies a regulated 24V to this consumer.

The 12V and 24V supply percentage is displayed as long as battery communication is available. If battery communication is not available, only volts will be displayed.

### 8.7.12 Discharge Modes

**Intro**

The Battery Hanger Module BHM-2 offer two different discharge modes: Simultaneously or One By One

**Simultaneously / SIM**

In SIM mode, all connected batteries are discharged at the same time as long as they offer the same voltage.

The strongest battery is discharged first until it has reached the level of the other batteries.

After that, all batteries are discharged evenly.

<table>
<thead>
<tr>
<th>12 Volt Line</th>
<th>100 %</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TRINITY</strong></td>
<td></td>
</tr>
<tr>
<td>24 Volt Line</td>
<td>100 %</td>
</tr>
</tbody>
</table>

**ATTENTION**

If batteries with different voltages are used in the SIM mode, the BHM-2 works exclusively in OBO mode.

Thus, no hot-swap is available.

If only one battery is used, the total running time may be limited.

**One By One / OBO**

In the OBO mode, the battery connected to BAT IN 1 is discharged first.

As soon as battery 1 is fully discharged, battery 2 will take over.

As soon as battery 2 is fully discharged, battery 3 will take over.

<table>
<thead>
<tr>
<th>12 Volt Line</th>
<th>12 V</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TRINITY</strong></td>
<td>OBO</td>
</tr>
<tr>
<td>24 Volt Line</td>
<td>100 %</td>
</tr>
</tbody>
</table>
ATTENTION

If the active battery is accidentally removed while in OBO mode, the BHM-2 will shut down immediately.

If only one battery is used, the total running time may be limited.

Changing Battery Mode

1. Double-click the Jog-Wheel

2. Select Battery Mode by clicking the Jog-Wheel once

3. Turn the Jog-Wheel and select the desired discharge mode by clicking on the Jog-Wheel once

4. Or select Exit to cancel the action
8.7.13 System BHM-2

Brightness

To adjust the display brightness

1. Double-click the Jog-Wheel.

2. Turn the Jog-Wheel right to reach System and press the Jog-Wheel to select.

3. Turn the Jog-Wheel left to reach Brightness and press the Jog-Wheel to select.

4. Click Brightness once.

5. Turn the Jog-Wheel up or down to select the desired brightness.
To read out the actual Firmware information

1. **Double-click** the Jog-Wheel.

2. Turn the Jog-Wheel **right** to reach **System** and **press** the Jog-Wheel to **select**.

3. Turn the Jog-Wheel to reach **Firmware Info** and **press** the Jog-Wheel to **select**.

4. Turning the Jog-Wheel to the right will cycle through the current firmware levels of all components, including the battery mounts, as long as they are connected.
Firmware Update

5. Download the latest firmware for the BHM-2.

6. Copy it on a USB Stick (FAT32)

7. Insert the USB stick at the front of the BHM-2.

8. Connect all BMS-2 to the Battery Hanger Module BHM-2!

   **ADVICE**
   
   Only in this way can new and updated battery communication protocols be uploaded to the individual battery holders.


10. Turn the Jog-Wheel right to reach System and press the Jog-Wheel to select

11. Turn the Jog-Wheel right to reach Update and press the Jog-Wheel to select

12. The update will start automatically and can take up to 5 min.

   **ADVICE**
   
   NO USB means
   
   - That something is wrong with the connection to the USB stick
   - The USB stick cannot be read
   - That there is content on the USB stick
8.8 Battery Mounting System Operation and Installation

8.8.1 Installation and Replacement of Battery Mounts

1. Place the Battery Mount on the BMS Base.

<table>
<thead>
<tr>
<th>ATTENTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Make sure the location pin is aligned with the receiver hole and that the pogo pins line up with the receiver pads on the circuit board.</td>
</tr>
</tbody>
</table>

2. Use the 3mm hex key to tighten all four screws.

8.8.2 Mounting the BMS on rods

BMS-1 & BMS-2

1. Open the clamp wing nut fully.

2. Place the Battery Mount at the desired position.

3. Tighten the clmap wing nut.
9 Cleaning and Repair

9.1 Cleaning Instructions

**ADVICE**

**Improper Cleaning Procedure**
Risk of damage of surfaces.

- Only use the cleaning agents specified in this chapter.
- Do not use any strong or aggressive cleaning detergents like Methanol, Acetone, Benzine or acids. These chemicals may dissolve the paint on the accessories and damage highly polished surfaces.
- Do not moisten connectors when cleaning.
- Compressed air should not be used on the electronic accessories.

**Recommended Cleaning Agents**

- Water
- Glass Cleaner
- Isopropyl Alcohol

**Cleaning Information**

Before cleaning, remove the camera accessories from the camera and disconnect all cables. Clean the accessories with a soft, lint free cleaning cloth and some water or glass cleaner. Only when really necessary, e.g. to remove residues of camera tape, isopropyl alcohol should be used.

9.2 Repair

**WARNING**

**Repairs carried out by Untrained Personnel**
Risk of electric shock and fire caused by short circuit.

- Do not try to repair the device yourself. Repairs may only be carried out by authorized ARRI service partners.

For repairs and maintenance work on the camera system, please contact "ARRI Service".
10 Transportation and Storage

**ADVICE**

**Improper Packing and Transportation**
Risk of damage to the accessories.

- Unplug all cables during transport.
- Only transport and storage the accessories in suitable cases.
- Follow the specified environmental conditions. Do not store the accessories in places where they may be subject to temperature extremes, direct sunlight, high humidity, severe vibration or strong magnetic fields.

If you have any questions regarding the transport or storage of ARRI products, please contact "ARRI Service".
11 Disposal

**ATTENTION**
The product can be returned to the manufacturer.


Accordingly, this product must not be disposed of with household waste. There are the respective country specific disposal rules that must be observed.
12 ARRI Service Contacts

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Business hours:
Mo. - Thu. 09:00 - 17:30
Fr. 09:00 am - 5:00 pm (GMT)
service@arri-ct.com

ARRI Inc. / West Coast
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CA 91505 Burbank
USA
+1 818 841 7070
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service@arri.com

ARRI Inc. / East Coast
617 Route 303
NY 10913 Blauvelt
USA
+1 845 353 1400
Business hours:
Mo. - Fr. 08:00 am - 05:30 pm (EST)
service@arri.com

ARRI Canada Limited
1200 Aerwood Drive, Unit 29
ON L4W 2S7 Mississauga
Canada
+1 416 255 3335
Business hours:
Mo. - Fr. 08:30 am - 05:00 pm (EDT)
service@arri.com

ARRI Australia Pty Ltd
Suite 2, 12B Julius Ave
NSW 2113 North Ryde
Australia
+61 2 9855 4305
Business hours:
Mo. - Fr. 08:00 am - 05:00 pm (AEST)
service@arri.com.au

ARRI China (Beijing) Co. Ltd.
Chaowai SOHO Tower C, 6/F, 0628/0656
Chaowai Dajie Yi 6
Beijing
China
+86 10 5900 9680
Business hours:
Mo. - Fr. 09:00 am - 06:00 pm (CST)
service@arri.cn

ARRI ASIA Limited
41/F One Kowloon, 1 Wang
Yuen Street Kowloon Bay
Hong Kong
P. R. China
+852 2537 4266
Business hours:
Mo. - Fr. 09:00 am - 06:00 pm (HKT)
service@arri.asia

ARRI Brasil Ltda
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04029-200 São Paulo
Brazil
+55 1150419450
Business hours:
Mo. - Fr. 09:00 am - 05:30 pm (BRT)
arribrasil@arri.com

Bars-Pro Ltd.
Distributor
4-Ya Magistralnaya Ulitsa, 11/2
123007 Moscow
Russia
+7 4995860299
Business hours:
Mo. - Sat. 10:00 - 18:00 (MSK)
arri@bars-pro.ru
ARRI Service Contacts

**CINEOM Broadcast DMCC.**
Unit No. 2109, Jumeirah Bay Tower X2 Cluster X
Jumeirah Lakes Towers
P.O Box 414659
Dubai, UAE
+971 (0) 45570477
Business hours:
Sa. - Th. 10:00 am - 06:00 pm
arriservice.me@cineom.com

**CINEOM Broadcast India Pvt. Ltd.**
C-4, Goldline Business Centre
Link Rd. Malad West
400 064 Mumbai
India
+91 (0)22 42 10 9000
Business hours:
Mo. - Sat. 10:00 am - 06:00 pm (IST)
arrisupportindia@cineom.com

**LINKA Ithalat Ihracat ve Diş Tic.**
Distributor
Halide Edip Adivar Mah. Darülaczeze Cad.
No:3 Akın Plaza Kat:5 95-96
34381 Şişli, Istanbul
Turkey
+90 2123584520
Business hours:
Mo. - Fr. 09:00 - 18:00 (EET)
service@linkgroup.com.tr
## Appendix

### RCP-3 Set

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>K2.0041090</td>
<td>RCP-3, Remote Control Panel</td>
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<tr>
<td>K2.0042837</td>
<td>CSS Clamp Bridge 52, 19mm</td>
</tr>
<tr>
<td>K2.0043883</td>
<td>RCP-3, FS Can Bus Cable, 25cm/10i</td>
</tr>
</tbody>
</table>

### RCP-3 Accessories

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>KK.0039984</td>
<td>RF-2400 Radio Module 2400 MHz FHSS Set (2x)</td>
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<tr>
<td>K2.0033762</td>
<td>SRH FS CAN Bus Cable, 1m/3.2ft</td>
</tr>
<tr>
<td>K2.0037701</td>
<td>SRH FS CAN Bus Cable, 5m/16.4ft</td>
</tr>
<tr>
<td>K2.0019302</td>
<td>SRH FS CAN Bus Cable, 10m/32.8ft</td>
</tr>
</tbody>
</table>