



# **RED ONE®** **1.8" SSD MODULE** **INSTALLATION INSTRUCTIONS**



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# RED ONE® 1.8" SSD MODULE INSTALLATION INSTRUCTIONS

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**RED ONE® 1.8" SSD Module**

**Installation Instructions**

**Version 1.0**

**December 28, 2010**

# RED ONE® 1.8" SSD MODULE INSTALLATION INSTRUCTIONS

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## DISCLAIMER

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## COMPLIANCE

### INDUSTRIAL CANADA EMISSION COMPLIANCE STATEMENTS

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

### FEDERAL COMMUNICATIONS COMMISSION (FCC) 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.

**CAUTION:** If the device is changed or modified, the user may void his or her authority to operate the equipment.

### AUSTRALIA AND NEW ZEALAND STATEMENT

**Attention:** This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

# RED ONE® 1.8" SSD MODULE INSTALLATION INSTRUCTIONS

## JAPAN STATEMENTS

この装置は、情報処理装置等電波障害自主規制協議会（VCCI）の基準に基づきクラスA情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

## EUROPEAN UNION COMPLIANCE STATEMENTS



Red declares that the equipment described in this document has been tested is in conformance with the requirements of the European Council EMC Directive 2004/108/EC, Low Voltage Directive 2006/95/EC, RoHS Directive 2002/95/EC and WEEE Directive 2002/96/EC.

This declaration is based upon compliance of the product to the following standards:

- EN 55022, Information Technology Equipment - Radio Disturbance Characteristics
- EN 55024, Information Technology Equipment - Immunity Characteristics
- EN 61000-3-2, Limits for harmonic current emissions
- EN 61000-3-3, Limits for harmonic current emissions
- EN 60065, Audio, video and similar electronic apparatus, Safety requirements



The Waste Electrical and Electronic Equipment (WEEE) mark applies only to countries within the European Union (EU) and Norway. This symbol on the product and accompanying documents means that used electrical and electronic products should not be mixed with general household waste. For proper treatment, recovery and recycling, please take this product to designated collection points where it will be accepted free of charge. Alternatively, in some countries you may be able to return your products to your local retailer upon purchase of an equivalent new product.

Disposing of this product correctly will help save valuable resources and prevent any potential negative effects on human health and the environment, which could otherwise arise from inappropriate waste handling. Please contact your local authority for further details of your nearest designated collection point. Penalties may be applicable for incorrect disposal of this waste, in accordance with your national legislation.

For business users in the European Union, If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

### Responsible party:

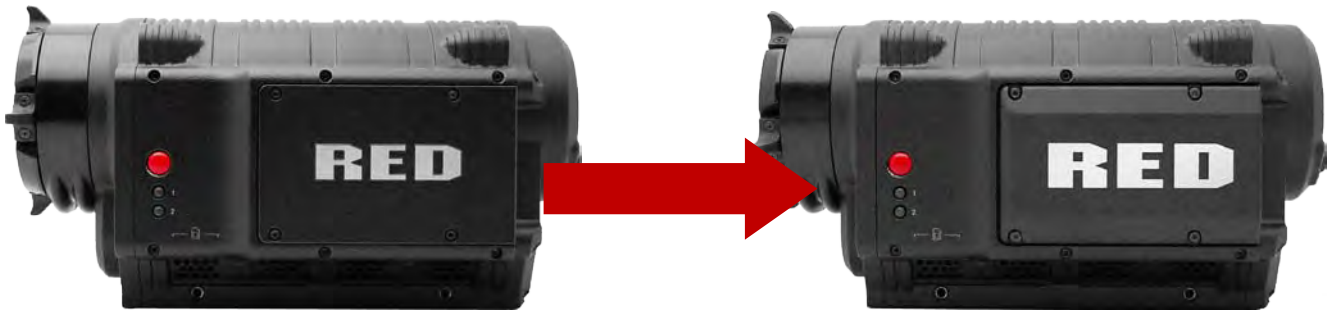
Red Digital Cinema  
20291 Valencia Circle  
Lake Forest, CA 92630 USA

# RED ONE® 1.8" SSD MODULE INSTALLATION INSTRUCTIONS

## BEFORE YOU START

### READ FIRST

RED® is providing the following installation instructions as a special service to our customers for the option of upgrading your RED ONE camera from a CF Module to a RED ONE 1.8" SSD Module.



Please understand that any damage that occurs to your camera, CF Module or RED ONE 1.8" SSD Module while installing your RED ONE 1.8" SSD Module IS NOT covered under warranty.

If you want RED to perform the installation of the RED ONE 1.8" SSD Module for you, RED will do so free of charge. Please contact your Bombsquad representative for complete details.

**CAUTION:** RED does not recommend repeating the process of swapping between the SSD and CF modules on a regular basis as damage may occur to the SATA and power cable harness and connections.

## HARDWARE

### NEW HARDWARE

The RED ONE 1.8" SSD Module includes the following hardware:

- Allen Screws (4)

*NEW Allen Screws (4)*



*CF Module Allen Screw  
Lock Washers (4)*



### EXISTING HARDWARE

The existing hardware from the CF Module to be re-used when installing the RED ONE 1.8" SSD Module:

- CF Module Allen Screw Lock Washers (4)

## TOOLS REQUIRED

The following tool is required to replace the CF Module with a RED ONE 1.8" SSD Module.

- 2.5mm Allen Wrench

# RED ONE® 1.8" SSD MODULE INSTALLATION INSTRUCTIONS

## REMOVING CF MODULE

1. Place the RED ONE camera body on its side (connector side down) on the protected surface so that the CF Module with the word RED facing you.



2. Using a 2.5mm Allen wrench, remove the four (4) CF Module Allen Screws.

**NOTE:** When removing the Allen screws from the CF module, be sure to remove the small lock washers as they may stay in the CF module mounting holes after removing the Allen screws.

**IMPORTANT:** DO NOT lose the washers as they are to be reused during installation of the RED ONE 1.8" SSD Module.

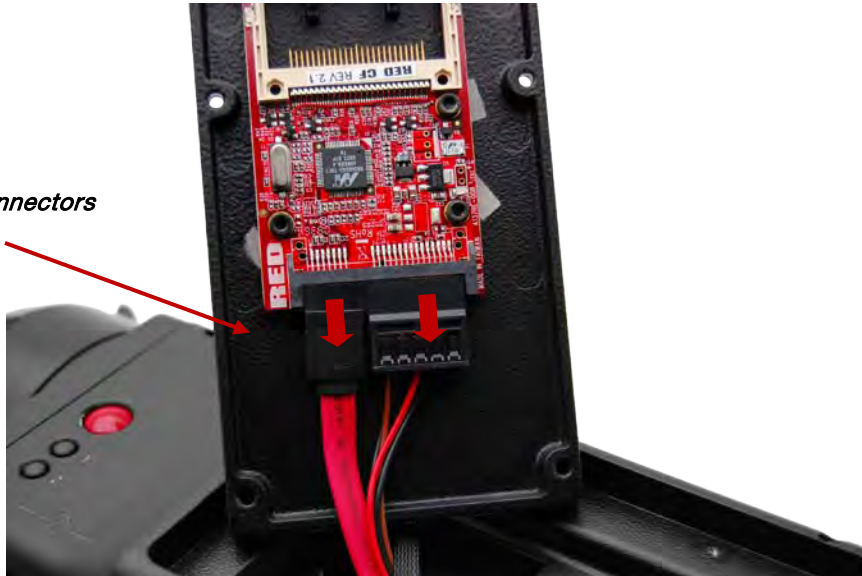


# RED ONE® 1.8" SSD MODULE INSTALLATION INSTRUCTIONS

3. Gently rotate the CF Module to allow access to the two (2) connectors.
4. Disconnect the Serial ATA and e-SATA connectors by carefully pulling on the connector itself.

**CAUTION: DO NOT** pull on the harness or yank on the CF module to disconnect the Serial ATA and e-SATA connectors. This may damage the harness, connectors, CF Module and/or components inside the RED ONE camera body. Damage that occurs to your camera, CF Module or SSD Module while installing your RED ONE 1.8" SSD Module IS NOT covered under warranty.

*Carefully Pull Connectors  
to Disconnect*



5. Remove the CF Module from the camera body.



# RED ONE® 1.8" SSD MODULE INSTALLATION INSTRUCTIONS

## INSTALLING RED ONE 1.8" SSD MODULE

1. Carefully connect the Serial ATA and e-SATA connectors to the RED ONE 1.8" SSD Module.

**NOTE:** Connectors are installed in the opposite direction as when connected to the CF Module.

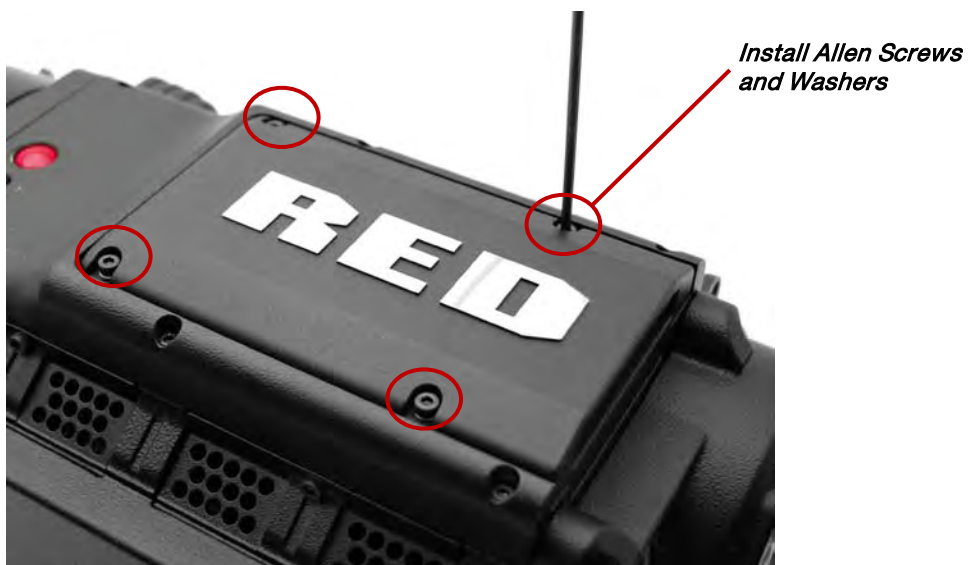
*Carefully Plug In  
Both Connectors*



2. Place the RED ONE 1.8" SSD Module on the RED ONE camera body.

**CAUTION:** Ensure the harnesses are not pinched or damaged during installation.

3. Install the existing Allen Screw Lock Washers (4) onto the NEW Allen Screws (4).
4. Install all four (4) Allen Screws and washers into the RED ONE 1.8" SSD Module finger-tight.

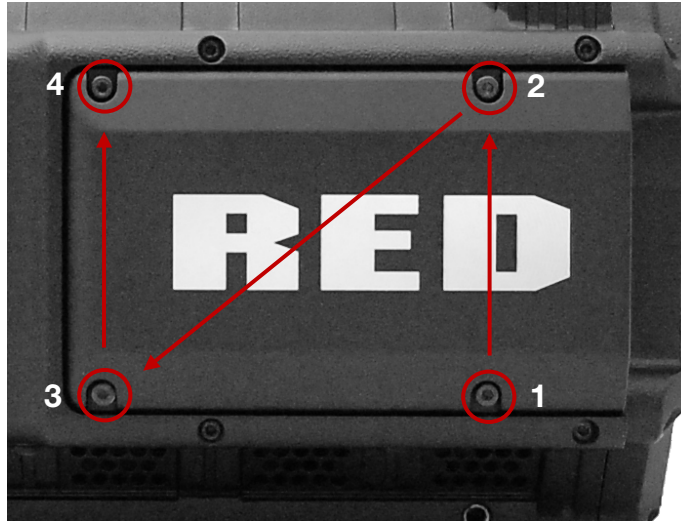


# RED ONE® 1.8" SSD MODULE INSTALLATION INSTRUCTIONS

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5. Tighten to specification in a diagonal order.

**Tighten Allen Screws to 4 in lbs (0.45 N.m)**



6. The RED ONE 1.8" SSD Module installation is complete.



# RED ONE® 1.8" SSD MODULE INSTALLATION INSTRUCTIONS

## INSTALLATION VERIFICATION PROCEDURE

Verify proper operation of the RED ONE 1.8" SSD Module by performing the following:

1. Power up the RED ONE.
2. Insert a RED 1.8" SSD MAG into the RED ONE 1.8" SSD Module. "SLOW MEDIA" displays on the Camera's LCD and "Unformatted" displays in the lower left corner of the external display(s) until the RED 1.8" SSD MAG is formatted.
  - If the camera does not recognize the SSD and continues to display "NO DIGIMAG" on the Camera's LCD and "None Attached" in the lower left corner of the external display(s), ensure you are using an SSD approved by RED for use with the RED ONE. If the SSD is approved for use by RED, recheck the RED ONE 1.8" SSD Module connections.



3. Format the RED 1.8" SSD MAG.
  - Press the SYSTEM button at the rear of the camera.
  - Navigate to the MEDIA menu.
  - Select FORMAT. "Disk Unformatted" will display on the Camera's LCD.
  - Camera will format the RED 1.8" SSD MAG.
  - Select OK when complete.
4. When format is complete, verify operation by recording a test clip and playing it back using the controls on the camera.

**NOTE: Unmounting the RED 1.8" SSD MAG is the same as unmounting a Compact Flash (CF) card, RED-RAID®, RED-DRIVE® and RED-RAM®.**



**RED DIGITAL CINEMA®**

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