

Harmony GTU Backup Recovery User Manual

NVE9304402_04
11/2021

Legal Information

The Schneider Electric brand and any trademarks of Schneider Electric SE and its subsidiaries referred to in this guide are the property of Schneider Electric SE or its subsidiaries. All other brands may be trademarks of their respective owners.

This guide and its content are protected under applicable copyright laws and furnished for informational use only. No part of this guide may be reproduced or transmitted in any form or by any means (electronic, mechanical, photocopying, recording, or otherwise), for any purpose, without the prior written permission of Schneider Electric.

Schneider Electric does not grant any right or license for commercial use of the guide or its content, except for a non-exclusive and personal license to consult it on an "as is" basis. Schneider Electric products and equipment should be installed, operated, serviced, and maintained only by qualified personnel.

As standards, specifications, and designs change from time to time, information contained in this guide may be subject to change without notice.

To the extent permitted by applicable law, no responsibility or liability is assumed by Schneider Electric and its subsidiaries for any errors or omissions in the informational content of this material or consequences arising out of or resulting from the use of the information contained herein.

Important Information

NOTICE

Read these instructions carefully, and look at the equipment to become familiar with the device before trying to install, operate, service, or maintain it. The following special messages may appear throughout this documentation or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.



The addition of this symbol to a “Danger” or “Warning” safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

DANGER

DANGER indicates a hazardous situation which, if not avoided, **will result in** death or serious injury.

WARNING

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

CAUTION

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

NOTICE

NOTICE is used to address practices not related to physical injury.

PLEASE NOTE

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

A qualified person is one who has skills and knowledge related to the construction and operation of electrical equipment and its installation, and has received safety training to recognize and avoid the hazards involved.

About the Book

Document Scope

This manual is used to:

- Backup and recover the system of Harmony GTU boxes.
- Read and write complete CFast or SD card from/to an image file.

Validity Note

This documentation is valid for Harmony GTU boxes.

For HMIG5U●●●, the original system is included in the backup and recovery DVD*1, delivered with this product.

*1 The recover DVD is not included in some Open Box models. In this case, back up the data with the factory settings or after installing the required application programs.

Registered Trademarks

Microsoft® and Windows® are registered trademarks of Microsoft Corporation in the United States and/or other countries.

Product names used in this manual may be the registered trademarks owned by the respective proprietors.

Related Documents

<i>NOTICE</i>
RISK OF MALFUNCTION Start the software only once. Failure to follow these instructions can result in equipment damage.

Presentation of the Backup Recovery Tool

Summary

Use this program to:

- Backup and recover the system of Harmony GTU boxes.
- Read and write complete CFast or SD card from/to an image file. The card will be completely saved in one file.

You can compress and verify system image file during the backup operation. For HMIG5U●●●, the original system is included in the backup and recovery DVD^{*1}, delivered with Harmony product.

*1 The recover DVD is not included in some Open Box models. In this case, back up the data with the factory settings or after installing the required application programs.

Backing up the System with a PC

Requirements

CFast/SD card memory card reader/writer depending of the box model.

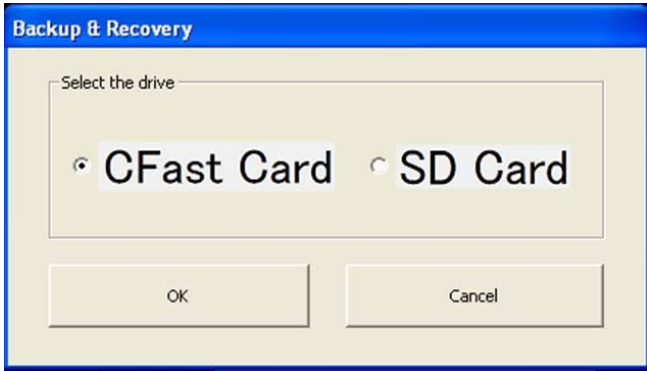
Computer running Windows®:


- Windows® 7 (32/64bit)
- Windows® 8 (32/64bit)
- Windows® Embedded Standard 7 (32/64bit)
- Windows® 10 (32/64bit)

Procedure

To back up the system with a PC, please follow the steps given below:

Note: Do not back up the CFast card with either hibernation or HORM enabled.

Step	Action
1	Insert the CFast/SD card (from Harmony GTU boxes) in the card reader of PC.
2	Launch BackupRecovery available on Backup and Recovery DVD or Start Menu.
3	Select type of media: CFast/SD card. 

Step	Action
4	<p>In the Backup & Recovery window:</p> <ol style="list-style-type: none"> 1. Select the file name and location where to create the Image file. 2. Refresh the drive letter by clicking the corresponding button. 3. Select the card to be backed up in the dropdown list. 4. Select the Compress and/or Verify check boxes. 5. Click the Backup button. 6. A bar graph displays the progress. At 100% the backup time is displayed, exit using the Exit button. 

Restoring the system with a PC

Requirements

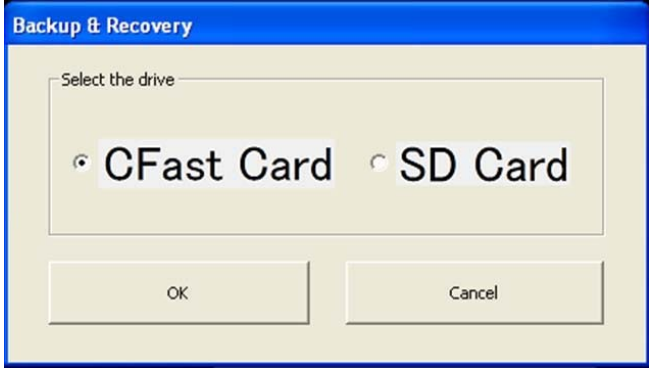
CFast /SD card memory card reader/writer depending of the box model.


Computer running Windows®:

- Windows® 7 (32/64bit)
- Windows® 8 (32/64bit)
- Windows® Embedded Standard 7 (32/64bit)
- Windows® 10 (32/64bit)

Procedure

To restore the system with a PC, please follow the steps given below:

Step	Action
1	Insert the target CFast/SD card in the card reader of PC.
2	Launch BackupRecovery available on Backup and Recovery DVD or Start Menu.
3	Select type of media: CFast/SD card. 

Step	Action
4	<p>In the Backup & Recovery window:</p> <ol style="list-style-type: none">1. Select the file name and location where the source system to recover is located.2. Refresh the drive letter clicking the corresponding button.3. Select the CFast /SD card to be recovered.4. Click the Recovery button.5. A bar graph displays the progress. At 100% the backup time is displayed, exit using the Exit button. 

Backing up the System from HMIG5U●●●

Requirements

- A CFast with boot system.
- A second CFast with the system to backup.^{(1) (2)}
- An external archive media (hard disk drive or USB key) connected to the USB port.

(1) **Note:** You can use either a system CFast from another HMIG5U●●● or create a new system CFast by following the procedure to recover the system from the HMIG5U●●● (See page 11).

(2) **Note:** A second CFast for system backup is not included with HMIG5U●●●. Schneider Electric reference (32 GB) CFast: HMIZCFA32S.

Preconditions

NOTICE

RISK OF MALFUNCTION

Make sure the space on the external archive media connected on the USB port is sufficient.

Failure to follow these instructions can result in equipment damage.

Procedure

To backup the system from the HMIG5U●●●, please follow the steps given below:

Note: Do not back up the CFast card with either hibernation or HORM enabled.

Step	Action
1	Insert the boot system CFast in the slot 1 (system card).
2	Insert the system CFast to be backed up in the slot 2.
3	Start the HMIG5U●●● system.
4	Launch BackupRecovery available on Backup and Recovery DVD or Start Menu.
5	For backup procedures, refer to Backing Up the System with a PC.

Restoring the System from HMIG5U●●●

Requirements

- A CFast with boot system.
- A second CFast (blank).⁽¹⁾⁽²⁾
- An image file to recover:
 - From the backup and recovery DVD.
 - From an external archive media (hard disk drive or USB key).

(1) **Note:** A second CFast for system backup is not included with HMIG5U●●●. Schneider Electric reference (32 GB) CFast: HMIZCFA32S.

(2) **Note:** Data will be overwritten if second CFast is not blank.

Procedure

To restore the system from the HMIG5U●●●, please follow the steps given below:

Step	Action
1	Insert the boot system CFast in the slot 1 (system card).
2	Insert destination CFast in the slot 2.
3	Start the HMIG5U●●● system.
4	Launch BackupRecovery available on Backup and Recovery DVD or Start Menu.
5	For recovery procedures, refer to Restoring the System with a PC .

Schneider Electric
35 rue Joseph Monier
92500 Rueil Malmaison
France

+ 33 (0) 1 41 29 70 00

www.se.com

As standards, specifications, and design change from time to time,
please ask for confirmation of the information given in this publication.

© 2021 – Schneider Electric. All rights reserved.

NVE9304402_04

