

VW3M8701 Module Parameter copy module for Lexium drives Instruction Sheet

Retain for future use.

1. Introduction

This instruction bulletin contains important information regarding the following VW3M8701 module when used with Lexium Drives:

Read this document carefully and store it with the Lexium Drives installation manual for future reference.

2. Important Information

Please read these instructions carefully and examine the device in order to familiarize yourself with it prior to using the copy module. The specific messages below can appear in the documentation or on the device. They warn of potential dangers or draw your attention to information that can clarify or simplify a procedure.

⚠ DANGER

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

⚠ WARNING

WARNING indicates a potentially hazardous situation, which, if not avoided, **can result** in death, serious injury, or equipment damage.

⚠ CAUTION

CAUTION indicates a potentially hazardous situation, which, if not avoided, **can result** in injury or equipment damage.

3. Before You Begin

Read and understand these instructions before performing any procedure with the module or the drive controller.

WARNING

UNEXPECTED EQUIPMENT OPERATION

- Only qualified personnel who are familiar with and understand the operation of servo drives are authorised to use the module.
- The user must ensure that the data contained in the module is appropriate for the drive application, and is the correct revision level.
- Use of the wrong parameters in a drive will result in that axis operating incorrectly, including exceeding the intended maximum speed, travel outside the intended trajectory and ignoring intended limits.
- Check that the correct parameters have been loaded before operation the drive.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

This module is intended to copy the parameters and motion tasks from a Lexium drive (source) and download them to another Lexium drive (destination)

WARNING

OPERATING CONDITIONS FOR THE VW3M8701

- The Lexium drive (source or destination) must be disabled by hardware (0V at pin 15 of X3 connector) and the motion must be stopped before using this module.
- The module can be connected only to the RS232 (X6) connector of a Lexium drive.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

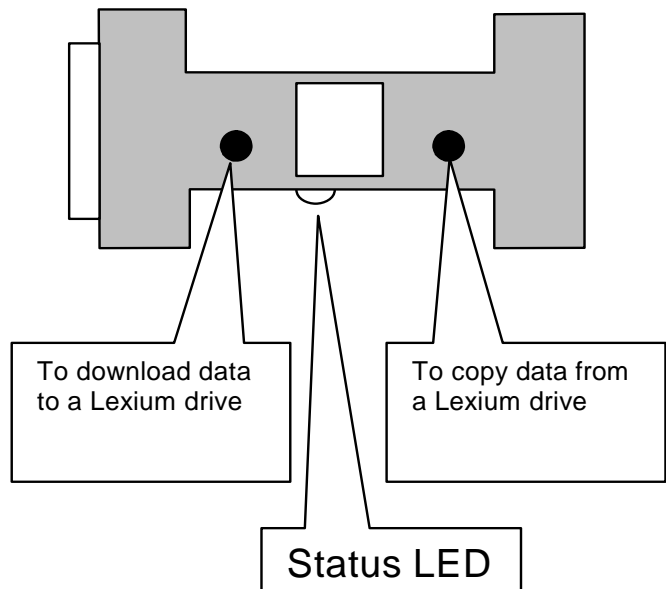
⚠ WARNING

**DATA INTEGRITY (SOURCE AND DESTINATION DRIVES)
WHEN THE VW3M8701 MODULE IS USED**

- The Lexium drives (both source and destination) must have the same firmware version (readable from the front display when the drive is switched on : 5.80 for example) and must have the same commercial references (same output current capability and same option card if applicable).
- The Lexium drive (source and destination, as applicable) must be powered by a 24V DC power supply for the duration of the transfer: a 24V DC power loss will inhibit the transfer.
- The module must not be touched or removed from the drive when a transfer is in progress (status LED is blinking)

Failure to follow these instructions can result in death, serious injury, or equipment damage.

The module includes two buttons and a status LED as shown below:



After the module is connected to the X6 connector, the status LED is on.

1. How to copy data from a Lexium drive (source):

After the designated button for copy data is pressed, the status LED blinks until all the data are transferred and stored in the module. When the status LED is continuously on again, the module may be removed.

2. How to download data to a Lexium drive (destination):

After the designated button for download is pressed, the status LED blinks until all the data are downloaded to the drive. At the end of the transfer, the drive performs a SAVE and a COLDSTART and the status LED is continuously on again. The module may be removed after the coldstart is completed.

3. Indications of correct of incorrect transfer:

The status LED informs about the transfer process. Red indication indicates a detected error. Green indicates a completion of transfer.