

Release History for MotionBASIC 3.2

MotionBASIC v3.2l December 1998

Defects addressed in this release:

- PAMUX inputs get stuck when running IO.MODE@. (d-3840)
- Serial communications hanging. (d-3817)
- String variables should not be non-volatile. (d-3715)
- File dates after year 2000 not correct when opening directory. (d-3698)

MotionBASIC v3.2k September 1998

Defects addressed in this release:

- QP serial port crashes. (d-3685)
- Queued repeat gear for's drift (d-2889)
- MotionBASIC reports wrong date (d-2773)
- Extended output comes on (d-956)

MotionBASIC v3.2j October 1997

Defects addressed in this release:

- Compatibility break with MBX-CON and MBX-ELS

MotionBASIC v3.2i October 1997

Defects addressed in this release:

- GEAR goes wrong way (PEP211)
- GEAR AT during GEAR FOR causes AFAULT (PEP330)
- Queued MOVE TOs drift (PEP367)
- GEAR syntax always generates axis fault (PEP400)
- Axis goes past software overtravels (PEP405)
- MB creates array using wrong var name (PEP 418)
- Low loop rate generates AFAULT@=11 (PEP 426)
- GET returns incorrect string (PEP 429)
- NV RAM gets corrupted (PEP 440)
- Drifting in GEAR AT with integer ratios (PEP452)
- Event processing temporarily suspended (PEP 454)
- Intermittent 1914 error (PEP 455)
- Bugs when erasing fielded variables (PEP 461)
- Internal err in PROFILE statement (PEP 473)
- Enable line not triggered for mode@=5 (PEP535)
- #1912: Internal error on VAR\$=NV.PREFIX@ (d-2518)
- Occasionally ORION won't boot

MotionBASIC v3.2h May 1997

Defects addressed in this release:

- Position errors of 2 revolutions after polling absolute encoders of DB motors

MotionBASIC v3.2g December 1996

Defects addressed in this release:

- Extended keyboard scancodes ("gray" keys) are now recognized by MotionBASIC.
- Setting MODE@ is now properly synchronized with the DSP so that all appropriate shared memory variables get set properly.

MotionBASIC v3.2f August 1996

Defects addressed in this release:

- Internal error when used with MBX-QP

MotionBASIC v3.2e July 1996

Defects addressed in this release:

- CHAIN-MERGE Typo kills communications. (PEP 313)
- Nested FOR WITHIN Loops cause internal errors (pEP 327)
- Internal error on a GET command. (PEP 321)
- Internal error while reading data from a file (PEP 289)
- Missing ENDIFs reported when IF and ENDIF in different segments (PEP 329)
- Program lost with NONVOL and FOR WITHIN. (PEP 302)

MotionBASIC v3.2d May 1996

Defects addressed in this release:

- NV RAM checksum errors. (PEP 290)

MotionBASIC v3.2c May 1996

Defects addressed in this release:

- DSPs erroneously ignore HTL's, report drive alarms, and enable drives. (PEP 270)
- The BREAK OFF command caused an internal error (PEP 259)

MotionBASIC v3.2b April 1996

Defects addressed in this release:

- Setting break points caused an increase in file load times. (PEP 228)
- Internal error after an Out of Memory error and a&=O. (PEP 229)
- Internal error generated by incorrectly configured Hardware Travel limits (PEP 225)
- Internal error generated by invalid syntax on INPUT @ command. (PEP 220)
- Internal error generated by a numeric overflow in an INPUT @ command. (PEP 244)

MotionBASIC v3.2a January 1996

Initial release of MotionBASIC for the Orion Controller. Differences from previous versions:

1. *Adds a new statement and four new Ormec variables:*
NONVOL
ABS@
HDW.REV@
NV.FRE@
NV.PREFIX@
2. Expanded NV variable support changed the following:
CLEAR DUMP ERASE LOAD NEW
3. D-Series Motor Support changed the following:
PCT.REV@ POS.ABS@
4. Enhanced Zero Reference Support changed the following:
SENS.MODE@ ZREF@
5. The following Errors were added:
#1119 Statement not allowed
#1228 NV Prefix too long
#1229 Cannot change NV prefix
#1230 Illegal NV variable type
#1340 Cannot format a System Card
#1341 Invalid Drive Specified
#1342 System Card not found
#1617 Hardware Travel Limit configuration error
#1817 Out of NV memory
#1818 No NV memory installed
#1819 Out of program memory
6. MotionBASIC security key fault added FAULT@ = 12
7. MMI-840 Banner auto clearing only supported with device number 0
8. ITM-270 is not supported as a named device, but rather generic with MB3.2