



MBP-100 Version Info

▶ **V3.100 (02.04.2008)**

RFU Info

- Must use RFU version 2.45 or later.

Filesystem Info

- If migrating from V3.000 firmware, then no configuration information will be functionally affected. If any Modbus master input registers (3xxxx register designations) existed in the V3.000 configuration, then these will be automatically migrated to register assignments of xxxx with read function code 04 (read input registers). The net result is no change in behavior. Saved configuration files generated with V3.000 firmware can also be successfully uploaded to the unit via Xmodem.
- If migrating from a firmware version prior to V3.000, users must manually re-enter configuration information, observing the current data routing paradigm (ref. V3.000 "Filesystem Info" notes). Saved configuration files generated with pre-V3.000 firmware will be rejected if Xmodem upload attempts are made.

Firmware Changes

- Added the ability to clear a point's name by just entering menu selection "1" by itself when editing a point.
- Added support for Diagnostics (function code 8), subfunction 0 to Modbus RTU slave driver.
- Added support for "read input status" (function code 02) and "read input registers" (function code 04) to Modbus RTU slave driver. FC 02 will access the same data as coils (i.e. bits in registers), and FC 04 will access the same data as holding registers.
- Added user-selectability of register type accessed via Modbus master protocol during read transactions. User can now choose to access holding (4X) registers or input (3X) registers on a per-point basis via dedicated menu items. This improves upon the concept originally introduced in V3.000 by making the distinction whether a holding register or input register is targeted more understandable (instead of being based strictly on the "register" assignment value).
- Added user-selectability of Modbus master "write" function code (06 or 16) on a per-point basis.
- Modified the Toshiba protocol RS485 driver to increase the gap time at higher baud rates due to a bug in the VFAS1/G9 drive's firmware that requires at least 3ms of dead time in all cases.

Significant Manual Changes

- Updates primarily to the Modbus RTU master and slave documentation, to reflect the enhanced functionality provided by these drivers in this version.

▶ **V3.000 (01.24.2006)**

RFU Info

- Must use RFU version 2.45 or later.

Filesystem Info

- Due to the paradigm change in the way data is being routed through the unit (instead of using a "primary-to-secondary" data translation), configuration files created with earlier firmware versions are not compatible with V3.000. To receive equivalent performance with earlier firmware versions, users must manually re-enter configuration information, observing the new data routing paradigm.



Firmware Changes

- New data movement paradigm, shifting from a “primary-to-secondary” data translation to a “centralized point database”. This brings the MBP-100 more in-line with the existing data movement methods of the ETH-200 and XLTR-200 gateways.
- Added Mitsubishi RS485 protocol driver.
- Added Toshiba RS485 protocol driver.
- Sullair Supervisor protocol driver removed.
- Like ETH-200 and XLTR-200, all gateway ports can now be simultaneously active & communicating independently.
- Nonvolatile filesystem changes: prior filesystem storage was in battery-backed RAM. To eliminate battery lifetime & maintenance concerns, this was changed to a flash-based filesystem. As a result, all units shipping from the factory with V3.000 and later firmware will not have batteries installed, as they are no longer necessary.
- Instead of 3 different configurations allowed to be saved on one unit, only one configuration file exists internally. If multiple configurations are desired, then various configuration files can be downloaded/uploaded when necessary.
- Modbus Plus “universal access registers” eliminated due to new “multiprotocol” gateway paradigm.
- Some minor ASD & RS485 LED behaviors changed. Refer to LED section of user’s manual.
- Modbus master driver now supports the ability to read 3X input registers.

Significant Manual Changes

- Many major changes to driver, console, and concepts sections.

▶ **V2.000 (06.09.2004)**

RFU Info

- Must use RFU version 2.40 or later.

Filesystem Info

- Upgrading to V2.000 will cause the MBP-100 to reset its configuration to factory defaults. If you wish to retain the unit’s configuration, then be sure to download your configuration files from the MBP-100 prior to upgrading to the new firmware, and then upload these files to the MBP-100 again after the firmware update.

Firmware Changes

- A bug was corrected in the console task that can cause the MBP-100 to reset to factory defaults when a configuration file is uploaded to the unit.

Significant Manual Changes

- None.

▶ **V1.001 (03.20.2003)**

RFU Info

- Must use RFU version 2.00 or later.

Filesystem Info

- Updating to V1.001 does not modify the filesystem. All user configuration data will remain intact after the update.

Firmware Changes

- Corrected several small spelling errors in the console.



Significant Manual Changes

- None.

▶ **V1.000 (02.13.2003)**

- Initial release.