

## **MB25 Release History**

Start Version\_B\_V1x (March, 2006)

To Version 69xxxx (September, 2011)

### ***February, 2007. Change to Software Version\_C\_V2x***

Modification:

1. Add a discrete UART to handle the USB serial data. (In previous version, USB shares the same data path with MIMIC.)
2. Remove DIP Switch because of the MB25 fully production programmable. (As the language settings can be downloaded as part of the software setup.)

### ***May, 2007. Change to Software Version\_D\_V30***

Modification:

1. Add a new model "LS" to sperate from MB25 "Pro" previously. From now on, the features of MB25 "Writer", "Writer Plus" and "Pro" are the same as MB20's exactly and "LS" has the extra features such as Music, Alarm Clock and Diary, etc. (This request the MB\_Comm updated to version 2.4 as well.)
2. Introduce UKBC for UK translation software. Add new command {UKCAP} to toggle the capitalization of UK letters. Default is ON.
3. Sweden language has been implemented in MB25 V30DS20.

### ***July, 2007. Change to Software Version\_D\_V31 (unreleased)***

Modification:

1. Introduce UEBC for OZ translation software.

Add new command {UEBC} to toggle UEBC rules ON or OFF.

Default:      ON --- OZ

                OFF --- UK and USA.

(Note: Characters larger then 0xFF can not be handled because of the limitation of the data structure defined originally.)

2. Portuguese language has been implemented in MB25 V31CS20.

### ***August, 2007. Change to All Software Version\_V31xx (released)***

Modification:

1. Allowed USB selectable serial bit rate.

The bit rate range is: 300, 600, 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200, 128000 (Default is 115200).

The selection will be saved automatically.

Use command: {USB BR bitrate}.

2. Spanish and French have been implemented in MB25 V31AS20.

3. Lithuanian, Czech, German, Polish and Russian have been implemented in MB25

V31BS20.

4. Brazilian and Greek have been implemented and embedded into MB25 V31CS20.

5. Finnish, Swedish, Norway and Dutch have been implemented in MB25 V31DS20.

6. Allowed selectable Software Handshake of USB.

The selection will not be saved automatically but could be done by using the new command {SAVE USB}.

Commands: {USB HS S} --- Select Software Handshake;

{USB HS H} ---Select Hardware Handshake (default);

{REPORTC USB} ---Report current settings of USB.

7. There was a bug occurring while selecting the "Punctuation" in SPEECH MENU. Fixed.

### **November, 2007. Change to Software MB25Version\_D\_V40SS20**

Modification:

1. Add new command {RD xxx} to reset default language.

Here xxx means: OZ ---Australian

UK --- English

USA --- American

FR --- French

CFR --- Canadian French

GER --- German.

(Note: a) It is necessary to do a hardware reset for the MB after entering this command;

b) This command is not like the command {DFLN}, the language reset will become the default setting permanently until next change.)

2. Add new command {5,9 xxx} to downgrade MB model.

Here xxx means:

F --- Pro

P --- Writer Plus

W --- Writer.

(Note: a) It is necessary to do hardware reset for the MB after entering this command;

b) This command is acceptable only if the current model of MB is higher then xxx;

c) Once the model downgraded it is impossible to upgrade back to the original without the Licences Key supported by Quantum Technology.)

3. Since UEBC rules implemented, the sequencing has been abolished (e.g. the words such as "and", "for", "of" etc. should be written separately). So it is not necessary for the command {FB} to force the translation to grade 1. From now on, the grade level will be left as is after {FB} is turned "ON" except for English UK as this is without UEBC rules.

### **December, 2007. Change to Software MB25Version\_D\_V41xxxx**

Modification:

1. Add above features (MB25Version\_D\_V40SS20) to all sets of software;
2. Build three small tables (Epson\_french\_words, Epson\_german\_words and Epson\_spanish1\_char) for UK customers to learn or write some foreign characters in the normal English text. During back translation, use the command {BFC FR/GER/SP} to start a French/German/Spanish Braille translation and terminate it with the command {BFC}. For the forward translation, type commands {FFC FR/GER/SP} and {FFC} instead;
3. Fix a bug while writing "corrections" into the MB file. (This problem caused because the data type mismatch between the compilers of EZ80 C++ and Borland C++).

Note: Above "Modification 2." has been included in the MB20Version 9.31A00.

### **May, 2008. Change to Software MB25Version\_D\_V42xxxx**

Modification:

1. Add "[[C]" and "[[NC]" of forward directive for UK software.

Here: [[C] ---Turn "Contracted Number" ON;

[[NC] ---Turn "Contracted Number" Off.

2. Update some rules of British "Numbers and Related Signs".

(Published by Braille Authority of the United Kingdom, 2004, Section 6.)

3. Use internal English synthesizer to speak Spanish words based on "Exception Dictionary". (For Special Set V42AT20). Requires Spanish dictionary "Spanish1.dix".

4. Modify calculator software to match the requirement of UK customers. (Ref. "Braille Mathematics Notation" published by "Royal National Institute of the Blind", 2005).

Note: Above "Modification 1, 2 and 4." has been included in the MB20Version 9.32A00.

### **July, 2008. Change to Software MB25Version\_D\_V43xxxx**

Modification:

1. Add the command {GM} for GREEK software. Thus: GM ---Greek letters typed from PC keyboard will be displayed on the MIMIC (Grade 0 level); MIMIC ---Braille dots pressed from MB keyboard will be translated and displayed on the MIMIC.

2. In Calculator Mode, Newline key will be a valuable if and only if it's pressed after t-chord (Print out current equation) command.

3. Modify Greek software to match the requirement of Greek customers.

4. Use "Right-Alt" key on the Greek PC keyboard to control Greek or English letters input (toggle).

5. MBComm update to Version3.4.

Note: Above "Modification 1, 2 and 4" have been included in the MB20Version 9.33C00, "Modification 3" included in 9.33A00.

### **August, 2008. Change to Software MB25Version\_D\_V44xxxx**

Modification: Flash load Check during downloading of the "User boot load" called by command {BLOAD} and report error messages as well. For matching this modification MBComm update to Version 3.6.(MBComm3.5 only reports error code and no error messages.)

**October, 2008. Change to Software MB20 Version 9.34A00**

Modification: There is a translation bug if the capitalized lower-sign word appears after the SPACE letter (UK customer required). Fixed.

**December, 2008. Change to Software MB25Version\_D\_V45xxxx**

Modification: 1. Eeprom Writing Check during “Upgrade Software”, “Upgrade Module” and “Reset Default” operations.

2. Fix the timing problem from “I2C Clock Control Register”, Argument ‘M’ and ‘N’ has been corrected.

3. Add the “Real Time Clock Check” while Mountbatten turns on.

4. There is a translation bug if the capitalized lower-sign word appears after the SPACE letter (UK version). fixed.

**February, 2009. Change to Software MB25Version\_D\_V46xxxx**

Modification: 1. UEBC (toggle command) will be saved automatically.

2. If UEBC off, the separated Braille signs (such as WAS, BY etc.) did not speak properly. (Fixed)

3. The Page Numbering has been turned off automatically after the first paging marked. (Fixed)

4. In some languages (German, French and Greek) the control keys (e.g.: TB, RL etc.) were spoken incorrectly. (Fixed)

Note: Above “Modification” has been upgraded in the MB20Version 9.35xxx.

**May, 2009. Change to Software MB25Version\_D\_V47xxxx**

Modification: 1. Fixed the bug of command {STD} (not functioning).

2. Increase the size of “input buffer” from 1K to 16K.

3. Add a command {EPD} for “Embossing PC Data”.

This command is used to emboss the data at MB side which coming from PC. Once it has been issued, the data transmission and emboss will never be processed simultaneously. (It’s valid only if the embosser of MB is turned ON.)

4. From MB\_Comm Version3.7, {EPD} will be issued automatically during operation of the “Embossing File” using the USB port.

5. From Monty Version4.0, {EPD} will be issued automatically during operation of the “Embossing File” using the Serial port if the MB is selected as an embosser.

**June, 2009. Change to Software MB25Version\_D\_V48xxxx**

Modification:

1. Fixed bug in V47xxxx that gave battery check error when in Advanced mode.

**July, 2009. Change to Software MB25Version\_D\_V49xxxx**

Modifications:

1. Fixed an introduced bug in V4.8 that some letters were translated twice in forward

translation.

2. Defined the euro sign for the UK keyboard. (Alt-Gr-4) August, 2009.

### ***Change to Software MB25Version\_D\_V50xxxx***

Modification:

1. Make the test command {L} and {3} more reliable (not affected by languages).
2. During reset, preserve date and time.
3. Define new software set H for the Sinhala Braille translation.
4. Update MBComm software to version 4.0 to match MB25Version\_D\_V50 (Sinhala).

### ***January 2010 Harpo Sp. z o. o.***

#### ***2010.04.12***

- change: latest Srilanka sources from Quantum
- fixed: French Grade 2 changed - "." at the end of the word is not translated into "ien" -> version v52su20.hex

#### ***2010.04.28***

- new actuator level sounds: recorded numbers 0 to 9 for English; single beeps after change and two beeps at both ends

#### ***2010.05.21***

- new 3 languages B set - English - Polish - German

#### ***2010.06.02***

- 3 languages B set release version Eng-Pol-Ger - v54bs20
- new command LANG for changing language in set B
- fixed: Polish letters from IBM keyboard with AltGrey

#### ***2010.08.06***

- actuator emboss level synced in fast and normal mode

#### ***2010.08.17***

- fixed: not taking off italics after new line in UK and OZ in grade 2 if more then 4 words in italic and then italic is off.

#### ***2010.11.19***

- fixed: auto-load paper function (Right Function + Enter buttons)

#### ***2010.11.23***

- fixed: FLIT S - works properly

### **2010.11.24**

- fixed: MB reports "End of page" in the middle of the page if "new line" or "line feed" command is used (it worked OK during printing)
- version: v55as20.hex

### **2011.01.21**

v54gs20.hex

- beta version ARB/ENG

### **2011.04.12**

Changes:

#### **v62xxxx**

- Backspace key on IBM keyboard works OK
- BPN command doesn't return error message
- '.' is printed correctly for non English languages if forward translation is on
- no more "Error. Battery temperature" messages after MB start

#### **v62BS22**

- Polish letters are spoken
- uppercase words with Polish characters are embossed correctly
- proper handling of Caps Lock and Polish characters
- Polish letter with dead key (~) using IBM keyboard works OK

#### **v62su21**

- multilanguage Canadian French keyboard support
- e with acute is properly handled with Canadian French IBM keyboard

### **2011-05-19 - v64as21**

- fixed back translation for Italian
- some small changes in code which shouldn't affects any language

### **2011-05-20 - v65xxxx**

- fixed some problems in all sets but set A (A was already fixed) caused by ignored compiler warnings

### **2011-05-27 - v66xxxx**

- fixed: real impact level not always consistent with spoken level after switching between slow and fast embossing mode

**2011-06-20 - v67xxxx**

- changed algorithm used for monitoring battery voltage status (uses average values now)
- removed some unexpected errors occurring when two prompts are sent one after another from different threads

**2011-07-06 - v67bs23**

- first version of MB25 with Czech speech (with Czech\_v1.sfx)
- fixed: wrong line height (appropriate for 8 dot mode) after Mountbatten is switched off and on while in 6 dot mode (used by default)

**2011-07-22 - v67bs24**

- fixed: some prompts are truncated randomly (Polish and Czech version only)

**2011-08-23 - v68xxxx**

- fixed: some USB data are lost on some devices
- accent sign "´" is embossed as dot6 in Polish version (set B)
- "ˆ" is embossed as d12456 (znak miana) in Polish version (set B)

**2011-08-29 - v69xxx**

- fixed: transfer of long files (> 30 kB) through USB for embossing or storing on Mountbatten stops after about 30 kB of data are sent

**2011-09-30 - v70xxxx**

- fixed: transmission errors during downloading bootloader don't broke old bootloader
- feature: bootloader update procedure changed to be compatible with future versions of firmware

**2011-10-13 - v70bs25**

- fixed: wrong messages for "Tab" and "Back tab" in non-English versions