3.1 Entering programming mode

Press down and hold [Num Lock] and press the key you want to program.

3.2 Inputting the characters to be programmed

Now you can enter the character strings you want to program from a connected standard keyboard. If you input the characters directly into the keypad, they appear on the screen.
Previously programmed characters are deleted. You can program up to 24 characters per key.

3.3 Exiting from programming mode

Exit from programming mode by pressing the [Num Lock] key again. The newly programmed CodeSet is preserved in memory when the power is turned off.

4. Operating modes

The keypad supports 4 modes of operation, which differ in terms of the functioning of the numeric keypad key assignments and the functioning of the [Num Lock] key.

Switching from one mode to another:
In order to switch to mode 1, please press the following keys in the below mentioned sequence and keep them pressed.
- "NumLock"-Key
- Key "1"
- "Enter"-Key

In order to switch over to mode 2, 3 or 4, please press key "2", "3" or "4" instead of key "1" for the required mode.

Mode 1: Standard function (standard Num Lock switching)

In mode 1 [Num Lock] acts as a „genuine" Num Lock key, i.e. it changes the system's Num status (just as on a standard keyboard).
Mode 1 is the factory default mode.

Mode 2: Switching layers instead of Num Lock plus alternative decimal separators

In mode 2, the [Num Lock] key switches between layers, i.e. does not change the system's Num status.

Layer 1 key assignments: numbers on the alphanumeric keypad, as labeled.
Layer 2 key assignments: navigation keys on the numeric keypad, as labeled.
This is easy to reprogram in layer 1 so that it generates a alternativ decimal-hyphen a double zero (00) or a triple zero (000) instead.

You reprogram the key by simultaneously pressing down and holding [Num Lock] and [.] adv. [.] and pressing [Enter]. By pressing this key combination you can cycle through the different key assignments in sequence, i.e. (.), (.), (00) or (000). You can check the setting on-screen by pressing the key [.] adv. [.]

Mode 3: switching layers for French keyboard drivers

As in mode 2, the [Num Lock] key acts as a layer switch.
Layer 1 key assignments: if using French TT drivers, use [Shift+number keys to generate numbers.
Layer 2 key assignments: as in mode 2 (navigation keys on the numeric keypad).

Mode 4: programmable mode

Function: [Num Lock] key acts as a genuine Num-Status-Switch.
Default key assignments in mode 4: empty, i.e. no codes are sent.
In mode 4, you can program any key – except for the [Num Lock] key – on one layer only.
To program the key assignments in mode 4, connect a standard keyboard as described in the section on programming.

5. Reset option

(restoring default settings)
To restore the keypad to its default factory settings, proceed as follows:
Press and hold down [Num Lock] and simultaneously press [-] and [Enter].
When the keypad is reset, the 4 programmable keys are restored to their default values (as labeled). Any codes programmed into the numeric keypad in mode 4 are deleted. The programmed decimal-hyphen in Mode 2 is not effected by a reset.

6. CE Declaration of Conformity

We, Cherry GmbH, declare that the Keyboard MX 3700 / ML 4700 is in conformance with: Low Voltage Directive 73/23/EEC tested in accordance with EN 60950. Also that the EMC Directive 89/336/EEC has been fulfilled to IEC 801-2 (1991) Level 2 and IEC 801-3 (1994) Level 2 within EN 50082-1: 1992 and that EN 55022: 1987 Class B has been conformed, too.
Tested in accordance with Cherry's standard test procedure.

7. Federal Communications Commission (FCC) Radio Frequency Interference Statement

Information to the user

This equipment has been tested and found to comply with the limits for Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help.

8. Canadian Radio Interference Regulations

Notice of CSA C 108.8 (DOC Jan. 1989)
This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Le present appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe B precrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

9. General Advice

Cherry continuously optimises products as new technologies are developed and for this reason we reserve the right to make technical alterations. The evaluation of product reliability and the definition of the product's technical performance are carried out according to Cherry's own requirements in order to meet international requirements in addition to these can be met through mutual cooperation. Improper usage, handling, storage and external influences could lead to faults and defects during use.
We do not accept warranty for defects caused by alterations to our product by the user and shall not be held liable for unauthorized modifications. All repairs must be made by Cherry or an officially appointed organisation or persons. There is a danger of explosion if the optional lithium battery is not exchanged in the correct manner! Possible compensation claims against Cherry or its nominated officers whatever the legal justification including physical or stress related injuries are excluded. Exceptions to this exist in the case of intent or gross negligence on the part of Cherry, infringements of Product Liability Law or in cases of injury, bodily harm or risk to health. These operating instructions only apply to the accompanying product. Full details can be obtained from your local Cherry dealer or direct from Cherry GmbH.