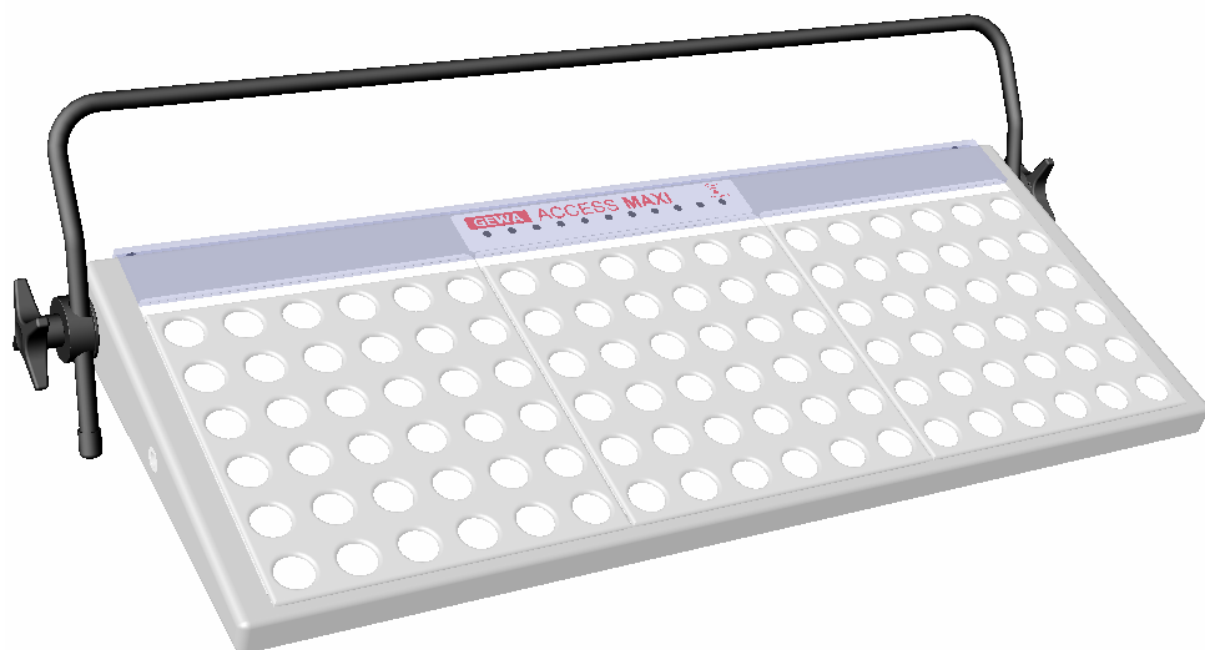


ACCESS MAXI EXPANDED KEYBOARD

ENGLISH MANUAL



CONTENTS

INTRODUCTION.....	3
GENERAL INFORMATION ABOUT ACCESS MAXI.....	3
DESCRIPTION OF ACCESS MAXI.....	4
BASIC SETTINGS.....	6
SYMBOLS.....	6
INSERTING BATTERIES.....	6
CONNECTION OF ACCESS INTERFACE.....	7
ONE-FINGER CONTROL OF SHIFT, CTRL AND ALT.....	7
SETTINGS.....	7
CHOOSING LEVELS.....	7
OPENING/CLOSING A LEVEL.....	10
PROGRAMMING CHANNELS FROM ANOTHER TRANSMITTER.....	11
LOCKING/UNLOCKING DELETE PROTECTION.....	12
RESETTING ACCESS MAXI TO FACTORY SETTING.....	13
PROGRAMMING 4096 CODE.....	14
COPYING CODES.....	15
SHIFTING KEY POSITIONS (PC LEVEL).....	16
DEFINING KEYS (PC LEVEL).....	16
SETTING BEEP VOLUME.....	17
SETTING DELAY TIME.....	18
CREATE AN AUTOMATIC SEQUENCE (MACRO) ON THE SMART HOUSE LEVEL.....	18
CREATE A MANUAL SEQUENCE (MACRO) ON THE SMART HOUSE LEVEL.....	19
RECORDING OF KEYBOARD MACRO ON PC LEVEL.....	19
CREATE AUTOMATIC RETURN TO BASIC LEVEL.....	20
MOUSE CONTROL.....	21
CONNECTING A RELAY ADAPTER.....	22
MISCELLANEOUS.....	23
MOUNTING ACCESS MAXI.....	23
LABELLING OF KEYS.....	24
DATA COMMUNICATION.....	25
LOCKING FOR TRANSPORT.....	26
CLEANING.....	26
QUICK GUIDE.....	27
ACCESSORIES.....	29
TECHNICAL DATA.....	31
CONFORMITY WITH THE MEDICAL DEVICES DIRECTIVE.....	32

Introduction

Access Maxi is a keyboard that can wirelessly transfer all keyboard characters that are normally available on a PC keyboard. Using the same keyboard wireless control of things around you is also possible. Access Maxi can also program different channels/codes from ordinary TV, VCR, and stereo remote controls. In total 106 different channels/codes can be programmed. To facilitate usage of several keys at the same time, e.g. the Shift, Ctrl and Alt keys Access Maxi is equipped with a one-finger control, which implies that two keys never have to be pressed at the same time.

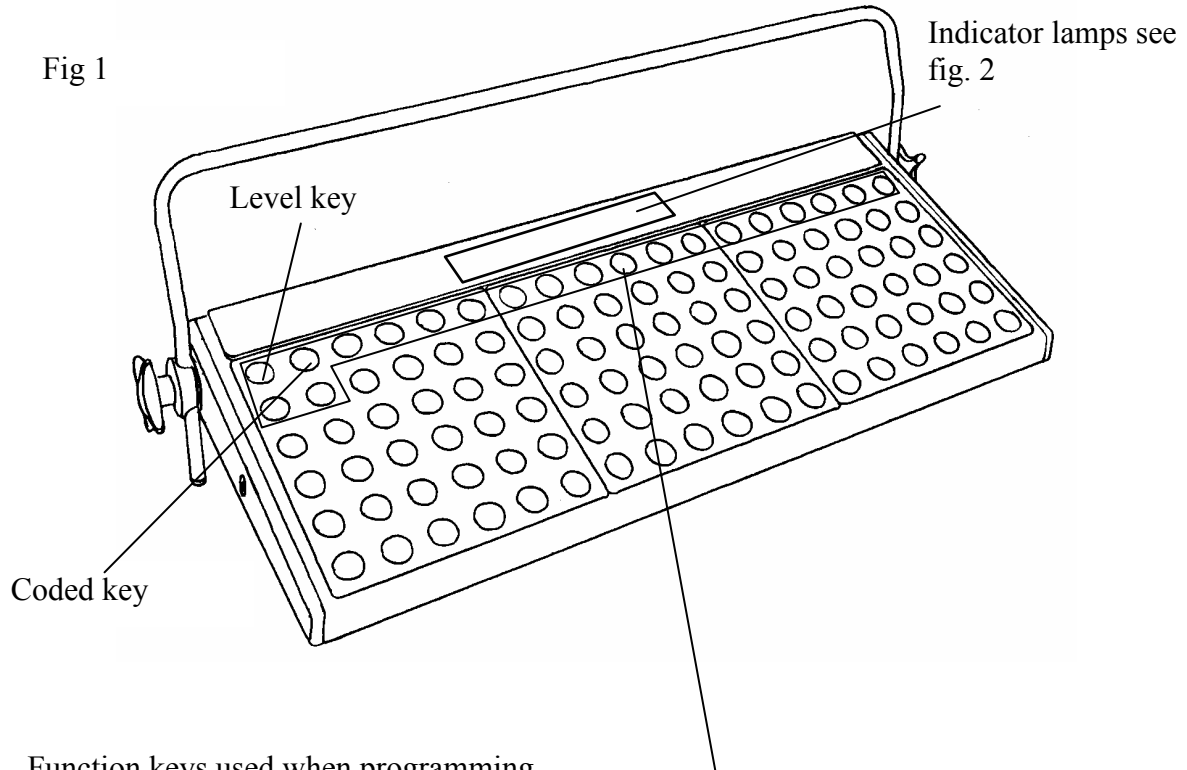
General Information about Access Maxi

To be able to use Access Maxi there are certain things you should know:

- For programming, press the programming button **P** using a pen, for example, **at the same time** as you choose a function key. Different function keys are chosen depending on what you want to program.
- If you press the wrong key or if there is a programming mistake you can always press the programming button on back of Access Maxi. It works as a reset button.
- It is important not to wait too long between the different steps when programming. After a certain time, Access Maxi automatically leaves the programming state to save current.
- If a key on the keyboard is pressed for more than 20 seconds Access Maxi will stop transmitting to save the batteries.

Description of Access Maxi

Fig. 1-3 show the various terms and functions which are described in the text.



Function keys used when programming

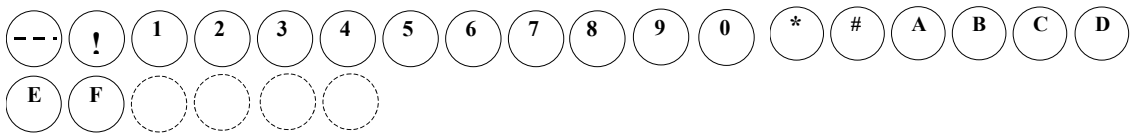
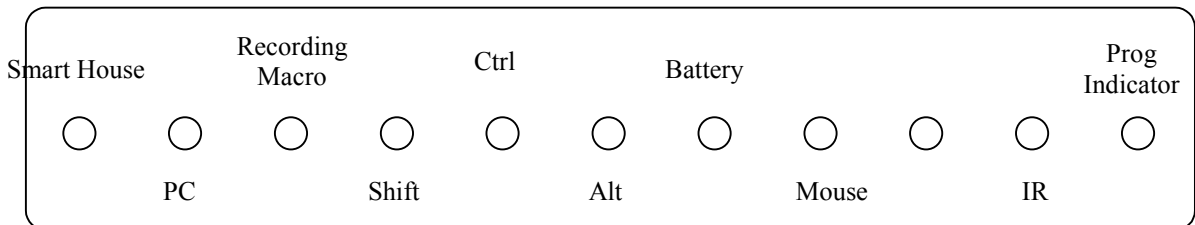


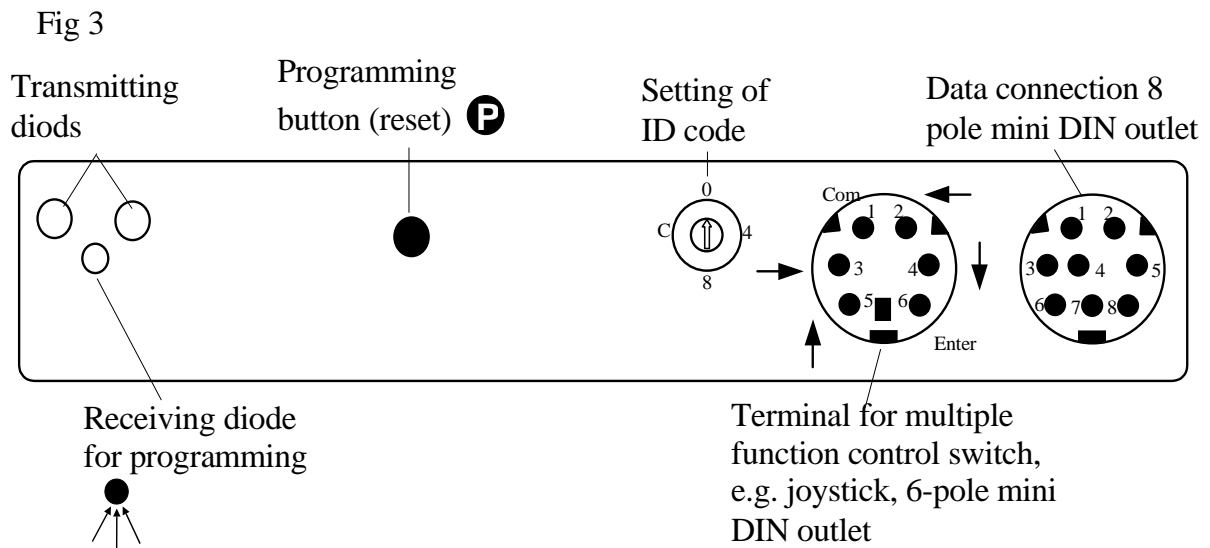
Fig 2



Explanation of Fig. 2

Smart House:	Indicates when the level for surround control is chosen. During transmission, the indicator lamp blinks.
PC:	Indicates when the level for PC is chosen. During transmission, the indicator lamp blinks.
Recording Macro:	Indicates when the Recording Macro key is activated.
Shift:	Indicates when the Shift key is activated.
Ctrl:	Indicates when the Ctrl key is activated.
Battery:	Indicates low battery voltage.
Mouse:	Indicates when Access Maxi is in Mouse control position.
IR:	Indicates when Access Maxi is transmitting.
Prog indicator:	Indicates when Access Maxi is being programmed.

Back of Access Maxi




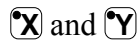






Basic Settings

On delivery Access Maxi has the following settings:

- Delay time/ON is set to 0.
- Sound volume is set to 4.
- Both Smart House and PC level are open
- Keyboard repetition is set to 8.
- A random code on !-key.
- ID code is set to 0.

Symbols

The following symbols will be found in the text:

	= programming button on Access Maxi
	= any Access Maxi key
	= any key on another transmitter to be programmed
	= Access Maxi function keys 0-9, * #, A-F if used when programming
	= coded key
	= level key
	= level key to be pressed for approximately 2 seconds
	= programming diode for programming from another transmitter

Inserting Batteries

Unscrew the battery lid screws on the back of Access Maxi using a screwdriver and insert four alkaline LR14 1.5 V batteries. Insert the batteries according to the marking at the bottom of the battery compartment. Pay attention to the polarity! It is important to use long life **alkaline** batteries that are protected against leaking battery acid. When you have inserted the new batteries, **press P**.

Battery Warning

Access Maxi has a built-in battery warning to indicate low battery voltage. A sound signal with short beeps (♪♪♪♪) is heard and the battery indicator lamp on the panel is blinking when a key is pressed and Access Maxi is transmitting. Replace the batteries as soon as possible.

Connection of Access Interface

To make Access Maxi work together with a computer an Access Interface has to be connected. The interface is the receiver receiving the IR signal and transforms the signal so that the computer can understand what is transmitted. The data communication may consist of all the functions that normally are to be found on a keyboard for a PC as well as the mouse functions. The regular computer keyboard and mouse can always be connected in parallel with the receiver. To connect the receiver, study the regular connection manual.

When Access Maxi controls a PC it is important that the keyboard has visual contact with the interface. Make sure nothing blocks the view! It is also important that the same ID is set on the keyboard and the interface. If two or more keyboards are close to each other, they will interfere if all of them have the same ID code. In that case, give them different ID codes. ID code 0 is special. If this ID code is set on the interface it can receive and understand all other ID codes but only as long as there is only one keyboard in the same room. If there are more keyboards in the same room, they all have to have different ID codes.

One-finger Control of Shift, Ctrl and Alt

To simplify the use of the Shift, Ctrl and Alt keys Access Maxi has a one-finger control, which means that you do not need and cannot press two keys at the same time. For instance, in order to write capital A first press the Shift key and then the A key. The same principle applies to the Ctrl and Alt keys.

Settings

Below is described how the different Access Maxi functions are set.

Choosing Levels

Access Maxi has 2 levels, PC level and Smart House level. Each level has 108 functions. On delivery the PC level is factory programmed with keyboard functions according to fig. 4 and the Smart House level is factory programmed with GewaLink channels 00-105, fig. 5.

To change levels press the level key (🔑) once.

Access Maxi is delivered with **both levels open**. To close a level see next section; "Opening/Closing a Level".

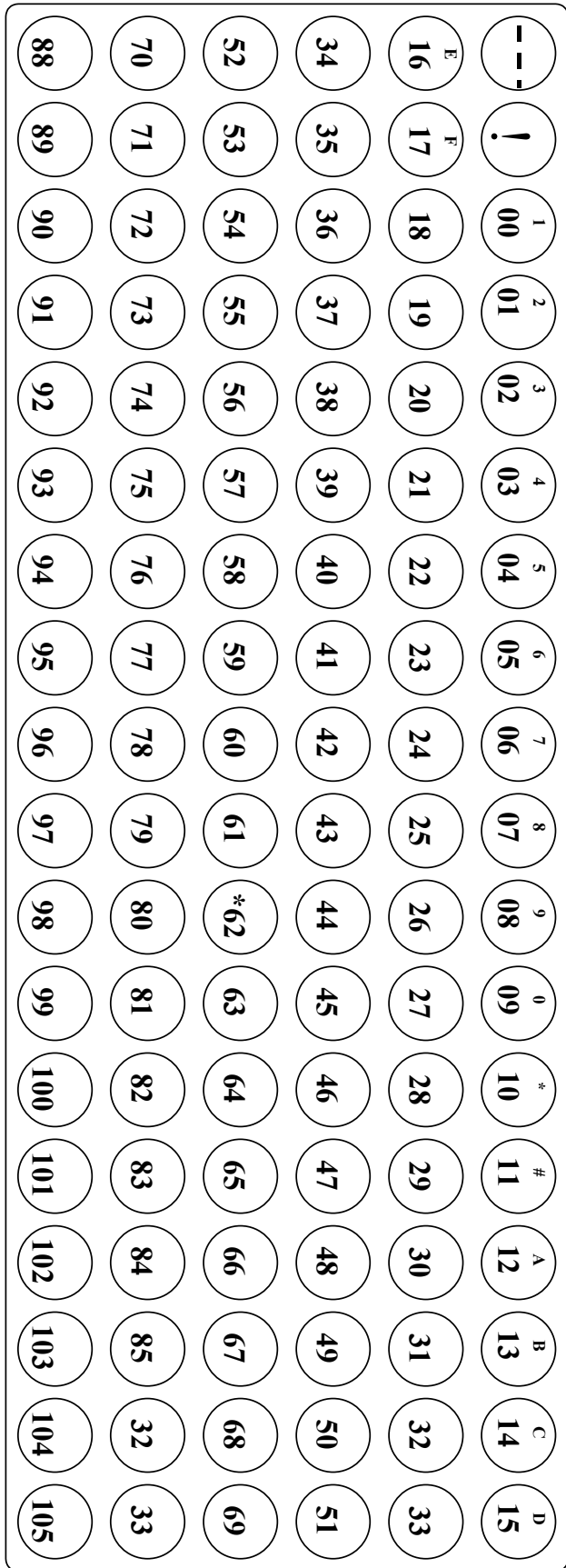











Fig 5,
Smart
House
level



* Channel 62 is a stop code and cannot control any function. On the other hand, you can program channels/codes on this key, which in turn can control a function.

Opening/Closing a Level

1. Press **P** and  at the same time. Access Maxi is now ready for programming. The indicator lamp on the present level is now lit.
2. Change to the level to be opened or closed by pressing .
3. Press  to open the chosen level or  to close the chosen level.
4. Finish by pressing  for approximately 2 seconds until the Prog indicator lamp goes out.

Quick guide

Open/close level: **P** + , choose level,  or ..... 

Open = . Close = 

Factory setting = both levels open.

Programming Channels from another Transmitter

1. Make sure the batteries in the original transmitter and in Access Maxi have full capacity. Do not place the transmitters in intense light (e.g. sunlight) when programming.
2. Remove the Access Maxi support and place the original transmitter on a book e.g. directed towards the receiver diode

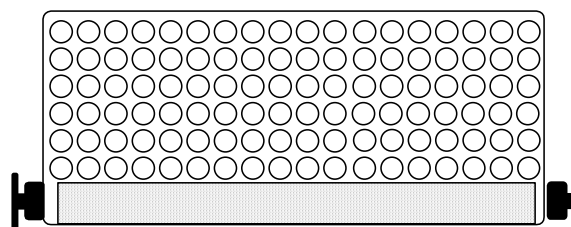
Fig 6



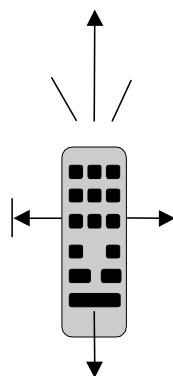
on the back of Access Maxi (fig. 6 and 7).

3. Using the level key choose the Smart House level. Note! It is only possible to program codes when using the Smart House level.
4. Press **P** and **1** at the same time. The Prog indicator lamp flashes orange and goes out. The lamp on the Smart House level now flashes.

Fig 7



To check that the original transmitter and Access Maxi are in the right position, keep any key pressed on the original transmitter. Move the original transmitter to the left or to the right until the Prog indicator lamp goes out. Then move the original transmitter backwards (one meter for certain transmitters) or forward until the Prog indicator lamp goes out. Place the original transmitter centrally between these positions. Certain types of transmitters only emit a short flash each time the key is pressed. In these cases, press several times



5. Press and release the key on Access Maxi that is to be programmed. The Prog indicator lamp now emits a steady orange light.
6. Hold the corresponding key on the original transmitter pressed. Release the key when the Prog indicator lamp goes green. This might take up to 10 seconds. If the Prog indicator lamp goes orange, again press the key one or more times until the lamp flashes green and goes out. If the Prog indicator lamp flashes red, the programming has failed. Try once more from step 4. If a beep ♪♪♪♪ is heard the level is locked and no programming can be made. Read next section how to unlock a level.
7. If the programming of the first key was successful, repeat steps 5 and 6 until all keys are programmed. Finish by pressing **ESC**. The Prog indicator lamp flashes green to show that the programming is finished.

8. Now test the programmed functions using the device that is to be controlled.

Quick guide

Programming: **P** + **1**, **X**, **Y**, **↵**

Tip! Access Maxi can record codes from most IR transmitters on the market with a few exceptions. You may have problems with a few or all of the functions for a certain IR transmitter. In these cases, it is possible to use another recording mode. Instead, do as follows in step 4; Press **P** and **1** at the same time but keep them pressed for approximately 2 seconds until the Prog indicator lamp flashes green once and goes out. Access Maxi is now in another recording mode. Otherwise, use the same recording procedure.

Locking/Unlocking Delete Protection

In order to protect codes from being deleted by accident when new codes are programmed it is possible to lock each level separately. Both levels are locked on delivery. Locked level is indicated by a beep ♪♪♪♪ and no programming can be made. Do as follows to lock/unlock levels:

1. Press **P** and **↵** at the same time. Access Maxi is now ready for programming. The indicator lamp for the present level lamp is lit.
2. Change to the level to be locked/unlocked by pressing **↵**.
3. Finish by pressing **3** to lock or **4** to unlock. The indicator lamp for the levels is automatically moved to the next level, which thereby can be locked/unlocked immediately.
4. Finish by pressing **↵** for approximately 2 seconds until the Prog indicator lamp goes out.

Quick guide

Lock/unlock delete protection **P** + **↵**, choose level, **3** or **4**, **↵**

Lock level = **3**. Unlock level = **4**.

Factory setting = Both levels are open.

Resetting Access Maxi to Factory Setting

With Access Maxi you can erase what is stored for a single key, for all keys for a single level or for all keys for both levels at the same time. When erasing the key or keys return to factory setting according to fig 4-5. Table 2 shows what happens when resetting Access Maxi. Also, read under "Locking/Unlocking Delete Protection".

Table 2

Resetting one key	The level used for the key must be unlocked before erasure.
Resetting one level	The level must be unlocked before erasure.
Resetting both levels	Both Smart House level and PC level are erased and returned to factory setting even if a level is locked. Other settings are also returned to factory setting and a new random code is programmed on the !-key.

1. Start by unlocking the level to be reset. This is not necessary if both levels are reset at the same time.
2. Using the level key choose the level for which you want to perform the reset operation. This will not be necessary if both levels are to be reset at the same time. Press **P** and **3** at the same time. Access Maxi is now ready to be reset. The Prog indicator lamp flashes once and the lamp for the present level are lit.
- 3a. Resetting a single key:
Press the key to be reset. The Prog indicator lamp flashes green to show that the operation is finished.
- 3b. Resetting all keys for a single level:
Press in turn the keys **!**, **1**, **2**, **3** and finish with **!**.
Then the Prog indicator lamp flashes green to show that the operation is finished. Note!
- 3c. Resetting all keys for both levels:
Press in turn the keys **!**, **1**, **2**, **3** and finish with **!**.
Then the Prog indicator lamp flashes green to show that the operation is finished.

Quick guide

Resetting a single key:

Choose level, **P** + **3**, choose key

Resetting all keys for a single level:

Choose level, **P** + **3**, **!**, **1**, **2**, **3**, **!**

Resetting both levels to factory setting:

P + **3**, **!**, **1**, **2**, **3**, **!**

Programming 4096 Code

Access Maxi is delivered with a special coded channel (4096) on the !-key. The code is selected at random. This coded channel is normally used for functions that require strict authorisation such as apartment doors or house doors. The code has 4096 different combinations. The !-key always has the same code irrespective of which level you use. If you have to program a new coded channel there are three methods of doing so.

Method one: Use a coded transmitter as described under "Programming channels from another transmitter". Using this method you can program any key to use a coded channel.

Method two: Enter a numerical value between 0 and 4095. The indicated code will always be associated with the !-key. It is then possible to move the code from this key to other keys (See under "Copying Codes"). Then you can create a new coded channel if you wish. Do as follows:

1. Press **P** and **!** at the same time. Access Maxi is now ready for programming. The Prog indicator lamp flashes once and the lamp for the present level are lit.
2. Enter a number from 0 to 4095.
3. Finish with **↵**. The Prog indicator lamp flashes green to show that the operation is finished. Make a note of the chosen code for future usage.

Quick guide

Setting a 4096 code: **P** + **!**, **0**...**4****0****9****5**, **↵**

Factory setting = random code.

For method three insert a binary code. The binary code will always be associated with the !-key. Make up the binary code yourself or else use a code that is already set in an IR receiver or IR transmitter.

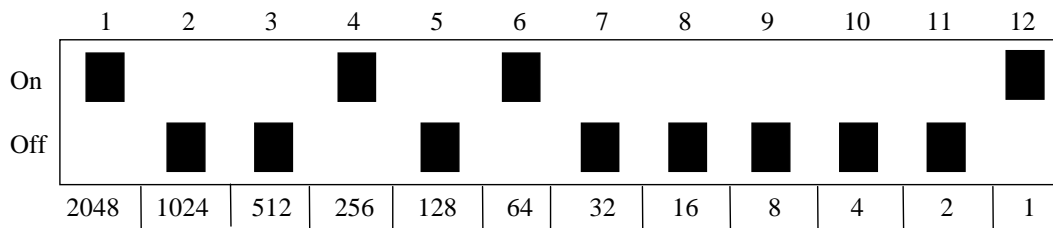
There are two types of IR receivers. An older type of receiver where you set the code with a 12-pole switch or a newer type where the IR receiver is programmable. The principle is the same when it comes to creating the binary code. Fig. 8 shows a 12-pole switch. Switches 1, 4, 6 and 12 are in the "On" position and the others are in the "Off" position.

The following example describes how the binary code is created according to fig. 8:

1. Press **P** and **!** at the same time. Access Maxi is now ready for programming. The Prog indicator lamp flashes once and the lamp for the present level are lit.
2. Enter the code by pressing **!** or **↵**. **!** = switch in the "On" position and **↵** = switch in the "Off" position. Press twelve times in turn; **!**, **↵**, **↵**, **!**, **↵**, **!**, **↵**, **↵**, **↵**, **↵**, **↵**, **!**. The Prog indicator lamp flashes green to show that the operation is finished.

3. The code is now on the **[!]**-key. Make a note of the chosen code for future usage.

Fig. 8



Quick guide

Setting 4096 code binary: **[P]** + **[!]**,

On position = **[!]**. Off position = **[!]**

Factory setting = random code.

Copying Codes

Access Maxi makes it possible to copy programmed codes and basic channels to other places (keys). In this way, it is possible to get access to the GewaLink channels on the Smart House level even from the PC level. **Note! It is not possible to copy codes from the PC level to the Smart House level.**

1. Choose level and press the key for which the code is to be copied.
2. Choose the level to which you want to copy the code.
3. Press **[P]** and **[8]** at the same time. Access Maxi is now ready for programming. The Prog indicator lamp flashes once and the lamp for the present level are lit.
4. Press the key to which you want to copy the code. The Prog indicator lamp flashes green to show that the operation is finished.

Quick guide

Copying code/channel from key **[X]** to key **[Y]**:

Choose level, choose **[X]**, choose level, **[P]** + **[8]**, choose **[Y]**

Shifting Key Positions (PC Level)

It is possible to shift positions of two keys. This can only be done when the keyboard is set to PC level. Do as follows to shift positions.

1. Choose PC level.
2. Press one of the keys to be shifted.
3. Press **P** and **E** at the same time. Access Maxi is now ready to program. The Prog indicator lamp flashes once and the lamp for the present level are lit.
4. Press the second key to be shifted. The keys have now shifted position. The Prog indicator lamp flashes green to show that the operation is finished.

Quick guide

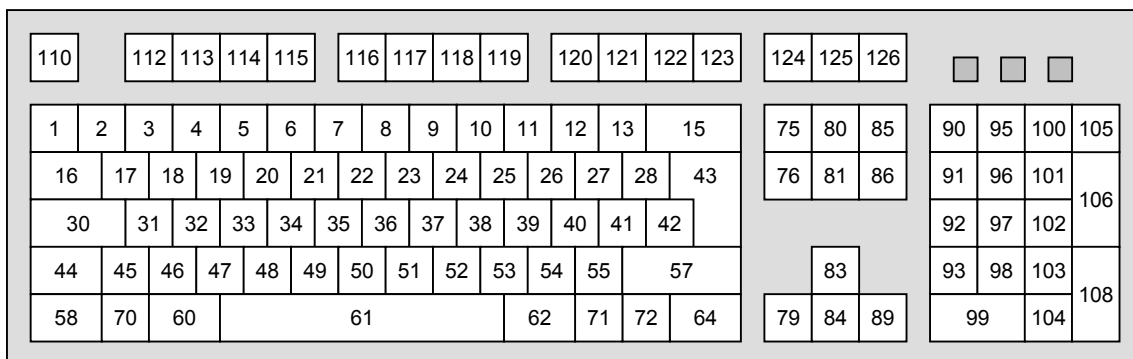
Shifting positions between two keys (PC level):

Choose PC level, choose key, **P** + **E**, choose next key

Defining Keys (PC Level)


With Access Maxi it is possible to re-define the function of each particular key e.g. if you want to remove the letter Q and replace it by the letter A. Below you will find a keyboard with a code for each key being a model for a real PC keyboard. By referring to the code it is possible to get access to the function of the key. The principle is the same for all keys but only applies to the PC level.

Fig. 9




Do as follows to define a key:

1. Choose PC level.
2. Press **P** and **F** at the same time. Access Maxi is now ready for programming. The Prog indicator lamp flashes once and the lamps for the PC level are lit.
3. Press the key to be re-defined.

4. Press the code for the desired function according to fig. 9.
5. Press . The Prog indicator lamp flashes green to show that the operation is finished.

Quick guide

Define key (PC level):

Choose PC level, **P** + **F**, choose key, choose code, 

Factory setting: See fig. 4 and 9.

Setting Beep Volume

Access Maxi has a beep signal, which sounds when a key is pressed. Set the beep volume between 0 and 9. 0 is no sound at all and 9 is maximum sound level.

1. Press **P** and **4** at the same time. Access Maxi is now ready for programming. The Prog indicator lamp flashes once and the lamp for the present level are lit.
2. Press a key from **0** - **9** to choose beep volume. The Prog indicator lamp flashes green to show that the operation is finished.
3. Check the beep volume by pressing a key. If you are not satisfied with the volume chosen, start from step 1.

Quick guide

Setting beep volume: **P** + **4**, **0**.... **9**

Factory setting = 4.

Setting Delay Time

A delay time can be set when pressing a key. The delay time is the time a key has to be pressed before a function is activated. The delay time can be set from 0 to 30 (tenths of a second) 0 is no delay at all and 30 is the maximum delay (3 s).

1. Press **P** and **2**, at the same time. Access Maxi is now ready for programming. The Prog indicator lamp flashes once and the lamp for the present level are lit.
2. Enter a value from 0-30 to choose the delay time.
3. Finish by pressing the level key. The Prog indicator lamp flashes green to show that the operation is finished.

Check the delay time by pressing any key. If you are not satisfied with the chosen delay time, start from step 1.

Quick guide

Setting delay time: **P** + **2**, **0**.... **30**, **□**

Factory setting = 0.

Create an Automatic Sequence (Macro) on the Smart House Level

Access Maxi is able to send sequences (to create a macro on the PC level, see “Recording of keyboard macro”). By pressing **one key** Access Maxi automatically carries out what is equivalent to pressing several keys. To find a Tele text page for instance you need to press four keys. Access Maxi however, can be programmed in such a way that you only need to press one key. Other available applications are dialling long telephone numbers or muting the TV at the same time as you answer the telephone. Access Maxi can also remember **how long** a key should transmit (max. 25.5 s). Other programmed sequences can also be a part of a new sequence.

A sequence can be terminated at any time by pressing any other key. When a sequence is programmed, Access Maxi transmits at the same time what is already on the key. A maximum of 47 key presses per sequence can be programmed. NOTE! The key used for the sequence must not be part of the sequence.

1. Press **P** and **A** at the same time.
2. Press the keys used for the sequence (only Smart House level).
3. Press **P** and **B** at the same time.
4. Choose the key where you want the sequence to be.

Quick guide

Create an automatic sequence: **P** + **A**, press sequence, **P** + **B**, choose where to store the sequence.

Create a Manual Sequence (Macro) on the Smart House Level

A manual sequence is a variant of an automatic sequence. Such a sequence is advanced manually one step at a time while an automatic sequence is automatically transmitted as a whole. When you have reached the end of the sequence it starts from the beginning again. Even if other other keys are pressed in-between, Access Maxi will always remember the latest step of the sequence. For instance, you can, turn the TV on and off using only one key. You can also create a very simple scanning method stepping through different TV channels.

A sequence can consist of a series of key presses where also **the duration** of the transmission of each key (max 25.5 seconds) is stored.

When a sequence is created Access Maxi at the same time transmits what is stored on the key. A maximum of 47 key pressures per sequence can be programmed. NOTE! The key used for the sequence must not be a part of the sequence.

Do as follows to create a manual sequence;

1. Press **P** and **A** at the same time.
2. Press the keys that will be part of the sequence (only Smart House level).
3. Press **P** and **C** at the same time.
4. Press **B**
5. Choose key for the sequence.

Quick guide

Create manual sequence: **P** + **A**, press sequence, choose level, **P** + **C**, **B**, choose where to store the sequence.

Recording of Keyboard Macro on PC level

Access Maxi makes it possible to directly record and play a macro, for instance containing addresses, greetings, names etc. The macro is stored on any key on the PC level (only the PC level). A maximum of 106 macros with 128 characters each can be recorded. Do as follows to record /play a macro:

Record:

1. Choose PC level.
2. Press the REC MACRO key.
3. Press the key where the macro is to be stored.
4. Write the text.
5. Press the REC MACRO key.

Play a macro:

1. Choose PC level.
2. Press the PLAY MACRO key.
3. Press the key where the macro has been stored. Access Maxi now plays the text.

Quick guide

Recording a keyboard macro: Choose PC level, press REC MACRO, choose the key where you want to store the macro, write text, press REC MACRO.

Play the keyboard macro: Choose PC level, press PLAY MACRO, choose key.

Create Automatic Return to Basic Level

Access Maxi can be set to always return to the Smart House level or the PC-level when both levels are open. After approximately 5 minutes Access Maxi returns to the basic level. Do as follows to turn on/off automatic return to basic level:

1. Press **P** and **□** at the same time. Access Maxi is now ready for programming. The Prog indicator lamp and the lamp for the present level are lit.
2. Choose return level for Access Maxi.
3. For automatic return press **5** and press **6** to switch off.
The Prog indicator lamp flashes green to show that the operation is finished.

Quick guide

Turn on/off automatic return: **P** + **□**, **5** or **6**

Turn on = **5**. Turn off = **6**.

Factory setting = turned off

Mouse Control

Access Maxi can control the mouse of a PC, i.e. move the cursor in eight different directions, click the mouse button, and hold it down. To be able to control the mouse you must have an Access PC interface connected to the computer. Also, study the Access PC interface manual how to install it. Fig 10, 11 and tabel 3 shows how to connect a Joy-stick to Access Maxi.

The following settings are made in Windows 95/98:

1. In Settings/Control Panel/ Accessibility Options/Mouse mark the square for control from numeric keyboard. Under Settings find "Use Mouse Keys when NumLock is:" and select OFF. When needed, adjust the speed of the mouse pointer.
2. Check that NumLock on the keyboard is not activated.
3. Check that the left mouse button is activated. In the lower right corner of the screen, there is a picture of a mouse. There you can see which mouse key is activated. Change this by using the keys (+), (*), (-) on the computer keyboard to the right of the NumLock key.

If the settings are correct, it will now be possible to move the pointer on the computer display in different directions by pressing the arrow keys on the keyboard.

If a joystick is connected it is possible to control the mouse i.e. move cursor in different directions. The same function will be available by pressing the Enter-function as when pressing the mouse button on the computer. By pressing the Enter-function for 1.5 sec the same function is available as when constantly pressing the mouse button.

Fig. 10

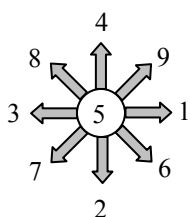
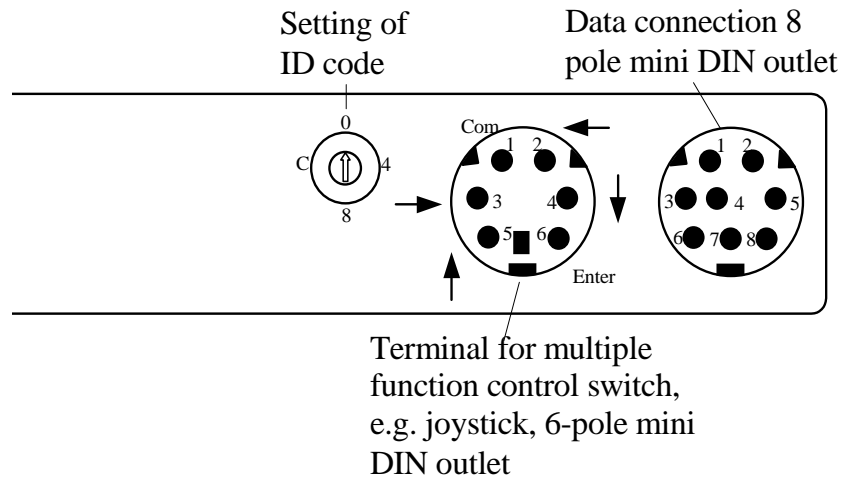


Table 3

Direction		Soldering points on 6-pole mini Din-contact
1	→	1, 3
2	↓	1, 4
3	←	1, 2
4	↑	1, 5
5	Enter	1, 6
6	→ + ↓ gives ↘	1, 3, 4
7	← + ↓ gives ↙	1, 2, 4
8	← + ↑ gives ↖	1, 2, 5
9	→ + ↑ gives ↗	1, 3, 5

Fig11



Connecting a Relay Adapter

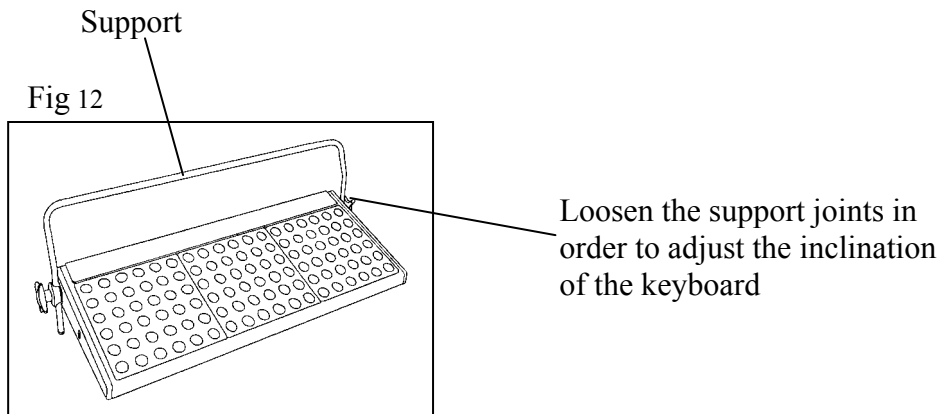
It is possible to connect a relay adapter to Access Maxi, which closes the relay when the coded key is pressed. A radio transmitter for instance can be connected working as an alarm. The relay adapter is connected to the Access Maxi data terminal (fig. 11). Each time the coded key is pressed the relay function is activated.

Tip: If you want both a coded function for instance to unlock the door and to start an alarm signal at the same time it is possible to copy a code from the coded key to any other key, which can then be used to unlock the door. For the coded key you can then create a new code which does not influence the door but activates the relay adapter.

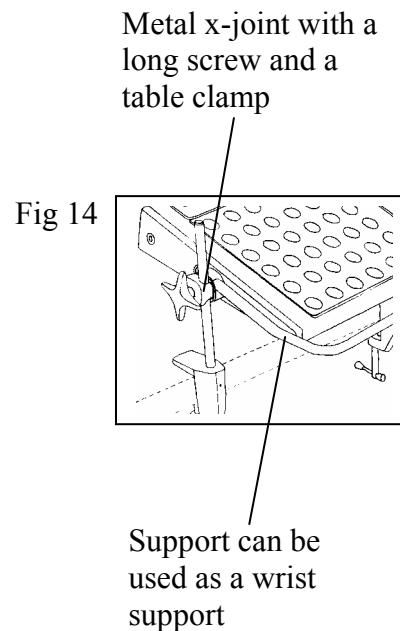
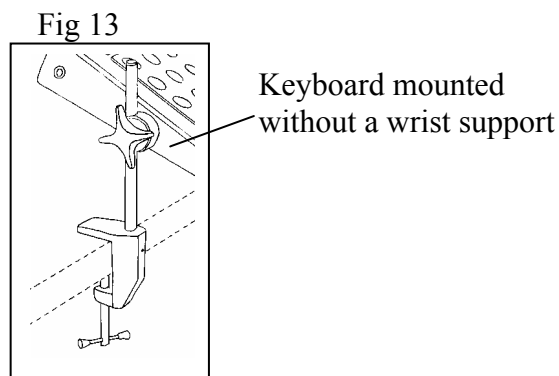
Miscellaneous

Mounting Access Maxi

Access Maxi can be standing by itself. The keyboard inclination is adjusted by raising or lowering the legs on the black support. The support can also be removed so that Access Maxi rests directly on the rubber feet underneath.



Another alternative is to fix Access Maxi using two table clamps (fig 12). Use the enclosed support joints to fix the keyboard to the table clamps (art.no: 8100). If you want to use the support as wrist support (fig14) at the same time as the keyboard is mounted on a table a special metal x-joint with a long screw must be used (art. no.: 661016).



Another alternative is to mount Access Maxi on a mobile floor stand (art.no.: 520006). 2 spring clamps (art.no.: 661018) screwed underneath the Access Maxi are needed (fig 15).

Fig 15

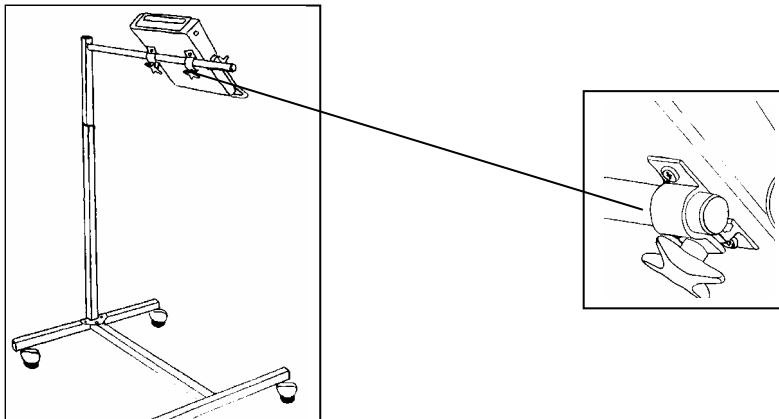


Table clamps, floor stand, spring clamp and metal x-joint are optional accessories and must be ordered from Gewa AB or a Gewa reseller.

Labelling of Keys

Access Maxi is delivered with standard labelling with different symbols on the keys. It is however possible for you to create your own labelling of keys using software (Gewa Prog Utility) which you will find on the enclosed discs.

Install the software on a PC. Choose Overlay design. Choose Access Maxi. Create the symbols and print. Cut off superfluous paper along the marked line. Remove the protection panel. Insert the paper in the pocket under the keyboard overlay. Check that the symbols are right above the keys. Two size A4 sheets for notes are enclosed.

Copyrights for pictures in Overlay design

Mayer-Johnson Co. has copyright © for Picture Communication Symbols (PCS).

Pictogram Ideogram Communication © 1980 Subhas C. Maharaj with additional symbols created by SIH, Sweden.

Pictures are protected in accordance with copyright law. Reproduction for commercial use is strictly prohibited.

Data Communication

Transferring Data between two Access Maxi

You can easily transfer all programmed channels and settings from one Access Maxi to another. This can be done for instance before servicing a transmitter or when replacing a transmitter. Before transferring data please note the following limitations.

- If the keyboards have the same program versions, transfer is possible without any problems. Look at the back of Access Maxi to check the program version (e g Ver: 2.0). If the keyboards have different program versions all functions might not work properly when transferred to another keyboard.
- If the keyboards have a different program version, the memory contents must be updated if you want to be sure that all functions are included. To do this, connect Access Maxi to a computer. More information on this is available on a data disk and in the next section about data transfer between Access Maxi and a computer.

To transfer data, do as follows:

1. Make sure that the batteries in both keyboards have full capacity.
2. Connect a data cable (Article no: 425622) between the data terminals of the two keyboards (fig.11).
3. Press **P** and **D** at the same time on the keyboard which is **to receive** data. After approximately 15 seconds the transfer is finished.

Quick guide

Transfer of data between two keyboards: **P** + **D**

Transferring Data between Access Maxi and a Computer

Access Maxi is prepared for communication with a PC. Accompanying disks contain the program Gewa Prog Utility that is used for different settings and for back up. Install the Gewa Prog Utility on your computer. Connect the cable (art. No. 425618) to the computer terminal (fig.11) of Access Maxi and connect the other end of the cable to the COM port of the computer. Start the computer program and choose the settings you want for Access Maxi. The cable can be ordered from Gewa AB or a reseller. Further information is available on Internet on <http://www.gewa.se>.

Locking for transport

When moving Access Maxi between different places it is possible to lock the keyboard and control switches to prevent Access Maxi from starting by accident and thereby avoid unnecessary power consumption. Do as follows to lock / unlock:

Press **P** and **0** at the same time to lock. The Prog indicator lamp flashes once. To unlock just press **P**.

Quick guide

Locking for transport: **P** + **0**

Unlock: **P**

Cleaning

To clean Access Maxi wipe with a damp cloth (weak solution of washing up liquid). Wipe dry after cleaning.

Quick Guide

Opening/closing levels

P + **↔**, choose level, **1** or **2** **↔**→ (factory setting = both levels are open)

Open = **1**. Close = **2**

Programming channels

P + **1**, **X**, **Y**, **↔**

Locking/unlocking delete protection

P + **↔**, choose level, **3** or **4**, **↔**→ (factory setting = Both levels are unlocked)

Lock level = **3**. Unlock level = **4**.

Resetting Access Maxi to factory setting

Resetting a single key:

Choose level, **P** + **3**, choose **X**

Resetting a single level:

Choose level, **P** + **3**, **↔**, **1**, **2**, **3**, **↔**

Resetting both levels and other settings:

P + **3**, **!**, **1**, **2**, **3**, **↔**

Setting 4096-code

P + **!**, **0**.... **4** **0** **9** **5**, **↔** (factory setting = random code)

Creating binary 4096-code

P + **!**, (factory setting = random code)

On = **!**. Off = **↔**.

Copying codes

Choose level, choose **X**, choose level, **P** + **8**, choose **Y**

Shifting positions between two keys (PC level)

Choose PC level, choose key **P** + **E**, choose next key

Defining keys (PC level)

Choose PC level, **P** + **F**, choose key, choose code, **F**

Setting beep volume

P + **4**, **0**.... **9** (factory setting = 4)

Setting delay time

P + **2**, **0**....**3 0**, **F** (factory setting = 0)

Creating an automatic sequence (Smart House level)

P + **A**, create sequence, choose level, **P** + **B**, choose where to store the sequence

Creating a manual sequence (Smart House level)

P + **A**, create sequence, choose level, **P** + **C**, **B**, choose where to store the sequence

Recording keyboard macro (PC level)

Choose PC-level, press REC MACRO, choose where to store, write text, Press REC MACRO.

Play keyboard macro (PC level)

Choose PC-level, press PLAY MACRO, choose a key

Automatic return to pre-set level on/off

P + **F**, **5** or **6** (factory setting = off)

On = **5**. Off = **6**

Data transfer between two keyboards

P + **D**

Locking Access Maxi for transport

Lock: **P** + **0**

Unlock: **P**

Accessories

Accessories Included

Art.no.	Denomination	Description	Qty
6632	Access USB interface	Interface to PC for data communication via infra-red light	1
660012	Protection panel Access Maxi	Smoke coloured protection panel	1 (mounted)
660010	Support Access Maxi	For adjustment of angle of Access Maxi	1 (mounted)
661014	Support joint Access	To fix and adjust support on Access keyboard	2 (mounted)
6544	Keyboard overlay	Screen for finger pointing	3 (mounted)
424304	Data disc	Communication program Gewa Prog Utility/PC (WINDOWS 95/98/NT)	1
8361	Battery LR14 1.5 V	1.5 V Alkaline (4 pcs needed)	
-	Overlay	Transparency with standard labelling of keys	3 (mounted)
-	Note sheet	A4 sheet for notes concerning programmed channels	2
663212	Branching adapter, keyboard	Branching adapter with 6-pol mini DIN	1
663214	Keyboard cable	Cable for connecting to keyboard port. 6-pol mini DIN	1
663210	USB cable	Cable for connecting to USB port	1

Other Access Maxi Accessories

Art. no	Denomination	Description
661018	Spring clamp, width 27 mm	To fix Access Maxi to floor stand (2 pcs needed)
661016	Metal x-joint with a long screw	Metal x-joint to fix wrist support and table clamp to Access Maxi (2 pcs needed)
520006	Floor stand	Adjustable wheel stand
8100	Table clamp	To fix keyboard to table (2 pcs needed)
425618	Data cable 8-pole mini DIN/D-sub 9	Cable to connect Access Maxi/PC (serial port)
6555	Serial port adapter D-sub 9/25	Converts 9-pole D-sub to 25-pole D-sub
425622	Data cable 8/8-pole mini DIN	Cable to connect Access Maxi to Access Maxi
425624	6-pole mini DIN plug with 1.5 m cable	6-pole mini DIN plug with 1.5 meter cable for connection to terminal 1 (control switches)
425626	Relay adapter	8-pole mini DIN-plug relay output. Max 110 mA, 24V AC/DC

Technical Data

Power consumption (stand-by):	Approx. 10 μ A
Power consumption (transmitting):	Approx. 35 mA (GewaLink channel)
Battery life:	Approx. 2 years (100 seconds transmitting/day with GewaLink channel and 1000 characters/day)
Programming positions:	108
Operating keyboard force:	Approx. 1.5 N (150 g)
Range:	20-30 m (GewaLink-channels)
Data connection:	RS-232, compatible voltage level, 9600 bits/s, 8 data bits, no parity, 2 stop bits
Measurements (L x W x H):	690 x 250 x 200 mm
Weight (batteries excluded):	2600 g
Operating temperature (not valid for batteries):	-20° - +45°C

Conformity with the Medical Devices Directive

Access Maxi is marketed as a technical aid for people with disabilities and meets the requirements in Medical Devices Directive 93/42/EEC including relevant EMC and electrical safety requirements.



Gewa AB

BOX 92, SE-191 22 SOLLENTUNA, SWEDEN

TEL: +46 (0)8-594 694 00 • TEXTTEL: +46 (0)8-594 694 18 • FAX: +46 (0)8-594 694 19

E-MAIL: info@gewa.se • WEB: www.gewa.se

Doc: Access Maxi English. Version: D. Date: 2003-11-20. Item no: 808075