



owners manual

gm-x



SPECIAL MESSAGES



CAUTION!

AUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK

DO NOT REMOVE COVER (OR BACK). NO USER-

SERVICEABLE PARTS INSIDE. REFER SERVICING TO

QUALIFIED SERVICE PERSONNEL



Generalmusic electronics products could present labels similar to that displayed in this section. Please follow accurately the precautions descripted in the safety instructions.

ALARM SYMBOLS:



The exclamation mark within an equilateral triangle is intended to alert.

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The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

IMPORTANT NOTE: To reduce the risk related to the correct and normal use of the instrument, all Generalmusic products are accuralety tested in a safety laboratory. DO NOT modify the present unit, the safety standard and the correct instrument operativity could be compromised, and as a further consequence the warranty will be invalidated.



This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the enviroment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government offi ce, for details of where and how they can take this item for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.



The declaration of conformity can be downloaded from the Generalmusic website: www.generalmusic.com

IMPORTANT SAFETY AND INSTALLATION INSTRUCTIONS

INSTRUCTION PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS.

WARNING!

When using electric products, basic precautions should always be followed, including the following:

- 1. Read all the Safety and Installation instructions and explanations of Graphic Symbols before using the product.
- 2. This product must be earthed. If it should malfunction or breakdown, grounding provides a path of least resistance for electric

current to reduce the risk of electric shock. This product is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and earthed in accordance with all local codes and ordinances.

DANGER:Improper connection of the equipment grounding conductor can result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the product is properly grounded. Do not modify the plug provided with the product, if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

- 3. To reduce the risk of injury, close supervision is necessary when this product is used near children.
- 4. Do not use this product near water for example, near a bathtub, washbowl, kitchen sink, in a wet basement, or near a swimming pool or the like.
- 5. This product should only be used by a stand or cart that is recommended by the manufacturer.
- 6. This product, either alone or in combination with an amplifier and headphones or speakers, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist.
- 7. This product should be located so that its location or position does not interfere with its proper ventilation.
- 8. This product should be located away from heat sources such as radiators, heat registers, or other products that produce heat.
- 9. The product should be connected to a power supply only of the type described in the operating instructions or as marked on the product.
- 10. This product may be equipped with a polarized line plug (one blade wider than the other). This is a safety feature. If you are unable to insert the plug into the outlet, contact an electrician to replace your obsolete outlet. Do not defeat the safety purpose of the plug.
- 11. The power-supply cord of the product should be unplugged from the outlet when left unused for a long period of time. When unplugging the power supply cord, do not pull on the cord but grasp it by the plug.
- 12. Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
- 13. The product should be serviced by qualified service personnel when:
 - A. The power-supply cord or the plug has been damaged
 - B. Objects have fallen, or liquid has been spilled into the product; or
 - C. The products has been exposed to rain or moisture
 - D. The product does not appear to be operating normally or exhibits a marked change in performance
 - E. The product has been dropped, or the enclosure damaged.
- 14. Do not attempt to service the product beyond that described in the user-maintenance instructions. All other servicing should be referred to qualified service personnel.
- 15. WARNING Do not place objects on product power cord or place it in a position where anyone could trip over, walk on or roll anything over it. Do not allow the product, or its bench, or its pedal board to rest on or to be installed over power cords of any type. Improper installations of this type create the possibility of fire hazard and/or personal injury.
- Electromagnetic interference (RFI). This electronic product utilizes digital sampled wave processing technology (S.W.P.) that may adversely affect radio/tv reception. Read FCC information inside back cover for additional information.

Generalmusic cannot be held responsible for damage caused by improper use or modifications to the instrument, or data lost or destroyed

Technical specifications are subject to change

The information contained in this manual are considered correct at the moment of printing. Generalmusic reserves the right to change or modify any technical specification without prior notice or obbligation to upgrade existing units.

The illustrations and the screens of this manual are for instructional purposes only and may appear different from those on your instrument.

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GM-X Product Package

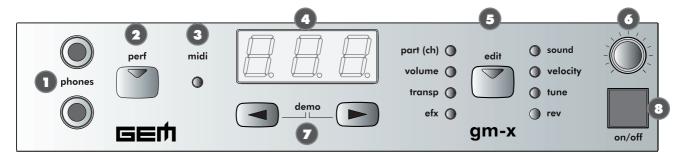
- gm-x expander
- Owners manual
- Gem PC Software Editor
- AC Adapter
- MIDI Cable

qm-x owners manual

INTRODUCTION

Congratulations & thank you for purchasing the GEM gm-x Expander. Utilizing our proprietary DRAKE technology, the gm-x produces a vast variety of sounds with exceptional quality. The gm-x also incorporates an intuitive, yet easy to use operational interface that will satisfy even the most demanding live or professional studio applications.

FRONT PANEL



phones

Two headphones may be connected to the module.

This is used for entering the edit mode and select the editing parameters.

The **perf** button (PERFORMANCE), select the performance mode. See the relative chapter, in this manual.

volume

the Volume knob, sets the output level of the instrument.

This led monitors the midi data received at the midi input of the module.

data entry/demo

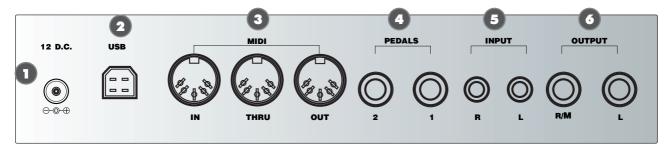
These buttons allow you to modify the parameter values. Both pressed at the same time will start the demo sequence.

display

The 3 digit display visualizes the values and the parameters of the various editing levels.

Turns the module on or off.

REAR PANEL AND CONNECTIONS



12 D.C. in

AC adapter input. In order to avoid possible damage to the instrument, please only use the adaptor supplied or specified for this instrument.

PEDALS

You may connect two types of pedals to the expander. An expression pedal to Input #2 and a Gem Multipedal unit to Input #1.

USB

USB connection to the PC. Use this connection with a proper USB cable to connect the module to a PC. See the relative chapter in this manual.

The INPUT RCA connectors allows you to plug an

external (Line) source to the instrument. Consult the relative chapter of this user manual.

INPUT

MIDI IN-THRU-OUT

The three standard MIDI ports allows the connection of the instrument to a MIDI controller, such as a Master keyboard a Midi Accordion or a PC (equipped with MIDI interface).

OUTPUT Connect the instrument to an external speaker system or a Mixer.

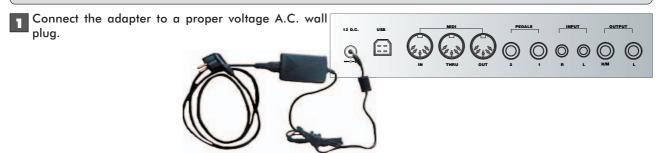
GETTING STARTED

The Gem Gm-x expander is a top quality sound generator, designed to be used in the following ways:

- Connected to desktop or laptop PC via MIDI to play standard midifiles
- 2 Connected to desktop or laptop PC via USB to play standard midifiles
- Played via MIDI from a MIDI master controller such as a digital piano, a master keyboard, a MIDI guitar, a MIDI Accordion.

In this chapter we will cover all the basic steps necessary to properly connect and use the instrument.

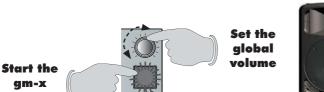
POWER THE EXPANDER

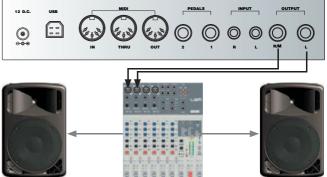


CONNECT A SPEAKER SYSTEM

Connect audio output of the expander to your live or studio speaker system.

The gm-x expander is a professional sound generator with a top quality pcm / physical modelling sound library. Always use an adequate stereo external speaker system in order to get the maximum performance from this instrument.



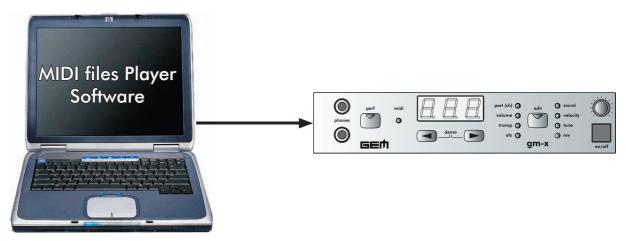


NOTE: always turn on the amplifier of your system after all the others devices.

CONNECT TO A PC

The Gm-x expander can be connected to a PC in two different ways: using the MIDI or the USB (Universal Serial Bus) interface. Using the MIDI the PC has to be equipped with a proper MIDI interface (see the note below), in case of USB it's possible to use directly the PC USB built-in connection. In both case, MIDI or USB, the transfer rate and the features of the protocol comply with the standard MIDI specifications, the only difference is the connections type.

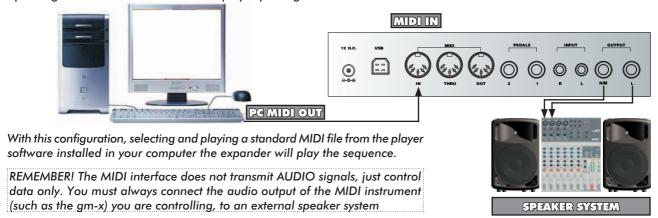
After successfully installing suitable player software in your PC, you will be able to play standard MIDI files.



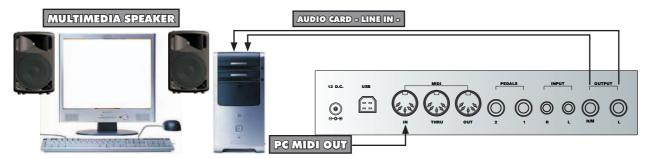
NOTE: Normally a desktop PC offers MIDI connection from an installed audio card. The type of the connection is dependant from the model of the audio card. In relation to this, please refer to the owners manual of your PC & or audio card.

CONNECT TO A PC VIA MIDI

We will assume that a MIDI interface along with software to play MIDI files is correctly installed in your PC. Please refer to the operating instructions of these devices to properly configure the PC to transmit standard MIDI files via the MIDI OUT socket.



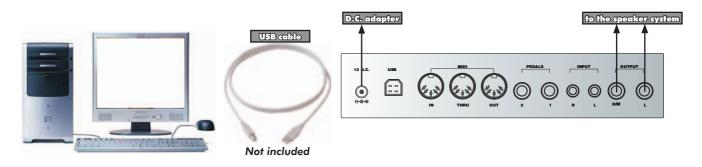
If your computer is equipped with a multimedia speaker system, it's possible to connect the gm-x to directly the computer speaker in the following way:



Using this type of connection it's possible to listen to the gm-x sounds from the computer speakers, meanwhile the overall instrument level will be set from the Windows® multimedia mixer, or from the control drive of other Operating System you might have installed in your PC.

CONNECT TO A PC VIA USB

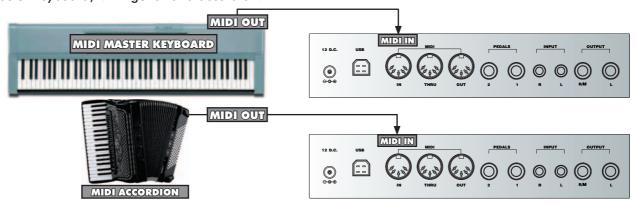
As previously noted, the only difference in MIDI or USB is only the type of connections, the data transfer rate and the features are the same in both cases.



For instruction on this feature, please refer to the CD ROM included with the expander.

CONNECT A MIDI MASTER CONTROLLER

The gm-x module can be used as a powerful sound expansion for any type of MIDI controller, digital piano, master keyboard, MIDI guitar and accordion.



In order to achieve the maximum control of the gm-x, please refer to this next chapter where the different parts of the instrument will be fully explained.

CONNECT PEDALS

Independently of the MIDI or USB controller you're using with the gm-x, it's possible to connect directly to the module various type of pedals: single switch, multi switch, continuos control.



It is not possible to change these parameters set from the gm-x internal edit menu. However using the advanced PC editor supplied with the module, it's possible to edit some of these parameters in a very detailed way.

Note: In the Sound list (page 15/16) you will find Sounds with the (PED) Sign. These are "Special Sound" properly designed to be realtime switched for example, from a Soft Sax to a Growl Sax, from slow rotary Organ to fast and so on, only by pressing a pedal, with a very impressive results. For this purpose you can use:

- The GM-X PEDAL input (1 or 2), using a Multipedal unit with the default GM-X configuration and pressing the PED #3 LONG/SHORT corresponding to the standard MIDI CC # 67 (SOFT).
- •The GM-X PEDAL Input 2 using a single switch pedal. This Pedal input it's already set on the MIDI CC# 67 (SOFT)
- An external MIDI controller using a pedal properly connected and programmed to transmit the CC# 67 (SOFT)."

USING THE INPUT CONNECTION

The gm-x is equipped with RCA stereo input connections. These jacks allow you to connect another instrument (or external LINE audio source) and mix the signal into the audio OUTPUT of the module.

Please note that the external mixed signal will be not processed in any way from the gm-x, this is a <u>dry</u> input only.



This connection allows you to use two mixer inputs to connect a digital piano and the gm-x at the same time. In the same way, using the input connection it's possible to connect a rp-x (piano sound module), to a gm-x.



START THE gm-x

Once the gm-x module is connected to your controller (via MIDI or USB), it's possible to use it, in the way you prefer.

Use the ON/OFF button on the front panel to switch on the module.



THE DEFAULT MODE (GM2)

After a small period of loading & checking, the display will show the message "GM2". The module is ready to perform.

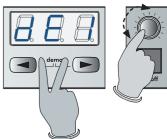
This is the main status of the instrument, in this default GM2 mode, the gm-x is ready to respond to any MIDI message over 16 MIDI channels adhering to the features and specification of the General MIDI 2 standard. This is the instrument mode normally used to play standard MIDI files.



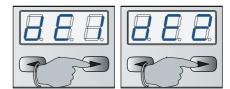
LISTEN TO THE DEMO SEQUENCE

The gm-x has an internal DEMO sequence demonstrating the musical quality & power of the instrument. Press the two DATA ENTRY buttons on the panel at the same time in order to start the DEMO. The display show the message "DE1" (Demo 1).

Playing the DEMO. Adjust the instrument output VOLUME, by rotating the VOLUME knob on the panel.



The DEMO sequence contains various MIDI files from different musical styles. During playback it's possible to select each MIDI files or demo song, by simply pressing the DATA ▶ button. The display will indicate the number of the selected MIDI file. In the normal DEMO mode, all the MIDI files will be played in chain.



You can exit The DEMO mode by pressing the PERF button on the panel. The module will return the default mode (GM2).



EDIT THE DEFAULT MODE (GM2)

The default GM2 mode is designed to be connected to a PC playing standard MIDI files. In this way, all the data contained in the MIDI files will properly control all of the gm-x track parameters. Should you wish, it's temporarily possible to edit the parameters contained in the EDIT menu.

Please note that incoming MIDI messages, such as Program Change or control change will change the modified parameters according to the data contained in the MIDI file.

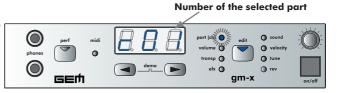
It is not possible to store the edited data in the GM2 mode. These have to be properly changed in your MIDI file.

Press the EDIT button to enter the edit menu.



Once the EDIT button is pressed you enter the edit menu starting with the PART (CH). The PART (CH) parameter allows you to select any of the 16 available multi-timbral parts and their relative MIDI channel. The PART (CH) led, light up in the panel, the currently selected part is showed in the display.

Press the DATA ▶ button to select the PART (CH) you want to edit

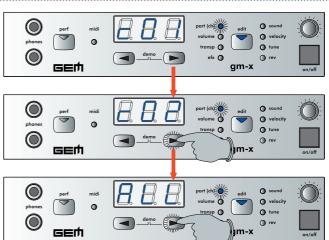


SELECTING THE PARTS (CH) IN CM2 MODE

It is possible to select 16 different parts, corresponding to the 16 standard MIDI channel.

Press repeatedly the DATA ▶ button, the display will show the PART (CH) number you wish to edit

Once all the 16 MIDI channel have been selected, the display will show the message "ALL". This condition allows you to modify some parameters values at the same time, speeding up the editing operation. See on Page N.8, for further details.



SELECTING THE PARAMETERS TO EDIT IN THE SELECTED PARTS ((GH)): SOUND

Once you have selected the PART you wish to modify (#01 in this example), the EDIT menu parameter are selected by pressing the EDIT button. Each time you press the button a different parameter is selected.

The current default value of the selected parameter, is shown in the display. In the part # the sound is: GRAND PIANO, the DOT closest to the first digit indicates the sound BANK (#01). Please refer to the included sound list at the end of the manual.

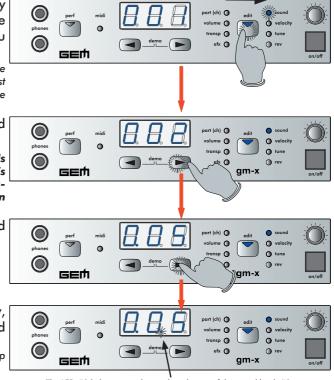
Pressing the DATA ▶ button you select the next sound in the sound database.

In order to ease and speed up the sound selection, the sounds are mapped according to GM mapping. For each sound it's possible immediately to select its VARIATION, (an alternative sound belonging to the same timbrel family, located in a subsequent bank.)

Each time you press the DATA ▶ button a next sound is selected.

The second or third dot lighting on in the display, indicates the selection of a sound variation located in a subsequent sound bank.

The GM-X has 4 sound banks in total. From bank 0 (no dot light up in the display), to bank 3 (three dot ligh up in the display).

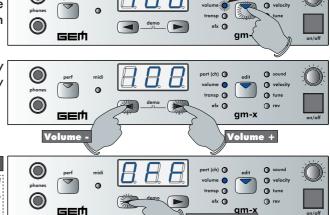


The LED #2 lighting on indicates the selection of the sound bank #2

SELECTING THE PARAMETERS TO EDIT IN THE SELECTED PARTS (GH)): VOLUME

To select the VOLUME parameters of the selected PART (CH) sound, press the EDIT button once more time. The current default value of the parameter is indicated in the display. Volume = 100 in this example.

You can increase or decrease the volume level, by pressing the DATA ◀ ▶ buttons. The display show you in realtime the value changing.



NOTE

Once you have reached the VOLUME = 000, (minimum sound level), by pressing once more again the DATA ◀ button you'll set the selected part OFF, then the part is disabled.

SELECTING THE PARAMETERS TO EDIT IN THE SELECTED PARTS (GH)): VELOCITY

It is not possible to access the VELOCITY parameter in GM2 mode. To edit this parameter please consult the NOTE #2 on next page.

This parameter works in PERF MODE only, after the Mode ALL enabling.

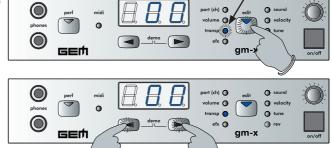
This parameter is GLOBAL, then its setting will affect ALL the 16 parts at the same time.

SELECTING THE PARAMETERS TO EDIT IN THE SELECTED PARTS (CH)): TRANSPOSE

TRANSPOSE allows to shift the PART (CH) pitch in a range of \pm 24 semitones.

Press the EDIT button to select TRANSPOSE. The display indicates the current default value (TRANSPOSE = 00), in this example.

Pressing the DATA ◀ ▶ buttons to increase or decrease the PART transpose. The display show you in realtime the value changing. Each single step (+/- 24) correspond to a semitone.



SELECTING THE PARAMETERS TO EDIT IN THE SELECTED PARTS ((CH)): TUNE

TUNE allows you to shift the PART (CH) pitch fine tuning in a range of: -64/00/+63

Press the EDIT button to select TUNE. The display indicates the current default value (TUNE= 00), in this example.



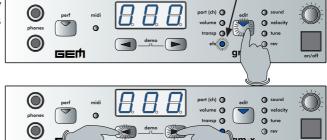
Pressing the DATA ◀▶ buttons to increase or decrease the PART TUNE. The display show you in realtime the value changing.



SELECTING THE PARAMETERS TO EDIT IN THE SELECTED PARTS (CH)): EFX

Set the EFX send level (chorus, tremolo, phaser, delay etc.) in the selected PART.

Press the EDIT button to select the EFX. The display indicates the current default value (EFX=000), in this example.



Pressing the DATA ◀ ▶ buttons to increase or decrease the EFX send in the selected part. The display shows you in realtime the value changing. The parameter range is from 0 to 127.

NOTE

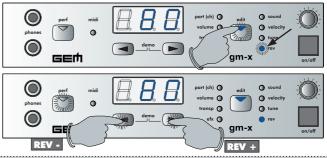
It is possible to restore the TRANSPOSE, TUNE and VELOCITY default value, by pressing the two DATA buttons at the same time.

SELECTING THE PARAMETERS TO EDIT IN THE SELECTED PARTS (CH)): REV

Set the REVERB (REV) level in the selected PART.

Press the EDIT button to select the REV. The display indicates the current default value (REV=080), in this example.

Pressing the DATA ◀ ▶ buttons to increase or decrease the REV send in the selected part. The display shows you in realtime the value changing. The parameter range is from 0 to 127.



THE MODE "ALL" IN EDIT MENU

As already described in the previous page, the ALL mode is a way offer by the gm-x system to speed up the editing operation for some parameters.



In fact setting the ALL mode in PART (CH) edit and selecting one of the edit parameters (*), the value you insert affects all the parts at the same time.

VOLUME	In ALL MODE sets the GENERAL volume of the instrument.
VELOCITY (PERF mode)	Set a programmable VELOCITY offset, in order to increase (or decrease) the velocity of incoming MIDI notes transmitted by a MIDI controller. Value range: -64/00/+63. Value= 00 does not affects the original velocity values.
TRANSPOSE	Sets the GLOBAL transpose of the module +/- 12 semitones. This value is added to the PART value. The total
	transpose value is: +/- 36 semitones (+/- 24 semitones in PART, plus +/- 12 semitone in ALL mode).
TUNE	Control the GLOBAL tune of the module, from A = 427 to A= 452 Hz.
EFX	Control the effect (EFX) general level.
REV	Control the reverb (REV) general level.

(*) The **SOUND** selection is excluded from the ALL mode.

NOTE #1

Selecting the ALL mode the TUNE becomes a GLOBAL parameter. Editing this parameter the display indicates the detune values in steps of HERTZ. Range: from A = 427 to A= 452 Hz., A=440 standard default value.



NOTE #2

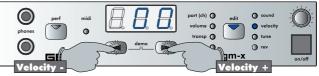
The VELOCITY parameter allows you to set a programmable VELOCITY offset, in order to increase (or decrease) the velocity of incoming MIDI notes transmitted by a MIDI controller. Value range: -64/00/+63. Value = 00 does not affects the original velocity values.

- 1 Select the "ALL" mode as explained in the above chapter.
- 2 Press the PERF button on the panel to enter the PERFORMANCE mode. (See the chapter on the next page)
- Press repeatedly the EDIT button to select the VELOCITY parameter. The display indicates the current default value, in this example.



If you need it, You can set the VELOCITY value, by pressing the DATA ◀▶ buttons. The display show you in realtime the value changing.

Value range: -64/00/+63



This parameter is GLOBAL, then its setting will affect ALL the 16 parts at the same time and its setting is automatically memorized also turning off the instrument.

NOTE #3

REMEMBER in GM2 mode any PARTS (CH) parameter edit is temporary, in fact the Standard MIDI files contains the proper set of parameter for each tracks and they have priority over the edit you have made.

It can happen that some Standard MIDI files may not have a complete set of instructions for tracks parameters recalling. In this case the gm-x will replace these missing data with the Standard instrument and Parameters default (see the Table).

The PARTS and GLOBAL (ALL mode) data editing such as SOUND, TUNE, TRANSPOSE, etc. will be lost switching off the instrument.The Factory GM2 default will be automatically restored once the module will be started on again.

THE PERFORMANCE MODE

The PERFORMANCE (PERF) mode is a very important gm-x operating level for live performance. This mode allows you to program and recall up to 99 different set ups of the instrument in real time; a very useful function controlling the gm-x from a MIDI master control (keyboard, accordion, guitar etc.).

The data set up stored in the PERF mode are memorized after switching off the instrument.

ENTER THE PERFORMANCE MODE

Press the PERF button to enter the PERFOR-MANCE selection menu.



The gm-x comes with a complete sets of live performances, programmed by the factory. These performances allows you to feel the real sound power of this impressive instrument.

Some of these performance are programmed with multi split and layer, please set on ch. 01 the transmission channel of your MIDI master controller in order to control all the PARTS used on the performance using a unique MIDI transmission channel. See ahead for further details the chapter MIDI COMMON channel.

SELECT THE PERFORMANCES

Once the PERFORMANCE (PERF) mode is selected, it's possible to recall the internal performance in two different ways.

MANUAL RECALLING

Press the DATA ◀▶ buttons to select the internal performances

Please consult the PERF list at the end of the manual to see the performance names and structure (single, layer, Split, etc.)



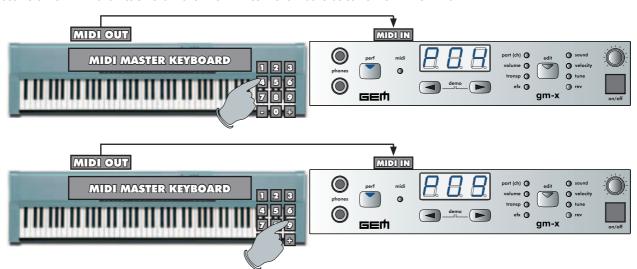
MIDI RECALLING



From your MIDI controller send the MIDI Program Change corresponding to the PERFOMANCE you wish to recall. (Program. Change from 01 to 99).

The way to transmit the MIDI Program Change can differ from one MIDI controller to another, please refer to the owners manual of your MIDI controller in regards to this purpose.

Please note the MIDI transmission channel of the MIDI controller has to be set to the MIDI ch. # 01



EDIT THE PERFORMANCE

The method to edit the PERFORMANCE is the same process already explained for the GM2 default mode. The PERFORMANCE mode possesses a very important feature, it's possible to store (and recall), in the instrument memory 99 different settings, which are retained in the modules memory after turning off the instrument.

To enter the PERF edit mode press the EDIT button on the panel

The PART (CH) parameter is automatically selected, meanwhile its current value it's visualized in the display

Modifying any parameters value, the PERF LED on the panel will start blinking, visualizing the edit status.





NOTES

The available parameters in PERFORMANCE mode are the same already explained in the GM2 mode. Please refer to the pages 6-8 of this manual, for the complete editing procedure.

The parameter set directly available from the panel of the gm-x module, both in GM2 or PERF mode is a reduced set than available in the instrument, (this is due to the simplified navigation system used in the module). The best way to fully edit the gm-x performance is to use the PC EDITOR software included in the package. This software allows you to easily create or edit all kinds of performances!

MEMORIZE THE PERFORMANCE

STORE THE EDIT IN THE SAME PERFORMANCE LOCATION

Once your PERFORMANCE edit it's complete, press the blinking PERF button on the display.



me 🕦

me 🕦

nsp (1

efx 🔾

O velocit

① tune

O rev

O veloc

① tune

gm-x

- 2 At this point both the PERF button and the digit "P01" in the display (indicating the number of the edited performance in this example), blink at the same time.
 - Keep the PERF button pressed for at least for 2 seconds to store in the current location. The display show
- Once the procedure is complete the "STR" display message will stop blinking. Releasing the PERF button the number of the current PERFORMANCE is showed again in the display, to confirm the STORE operation.

the blinking message "STR" (STORE).





STORE THE EDIT IN A DIFFERENT PERFORMANCE LOCATION

SEM

Once your PERFORMANCE edit it's complete, press the blinking PERF button on the display.



- 2 At this point both the PERF button and the digit "P01" in the display (indicating the number of the edited performance in this example), blink at the same time.
- It's now possible to select another PERF location using the DATA buttons. It's possible to select any of the 99 available memory locations.
 - perf midi port (ch) o edit o sound volume o tune o rev on/off
- 4 Once the desired memory location is reached, keep pressed the PERF button at least for 2 seconds to store data. The display show the message "STR" (STORE).

Once the procedure is complete the "STR" display message will stop blinking. Releasing the PERF button the number of the current PERFORMANCE is showed again in the display, to confirm the STORE operation.



EXIT THE PERFORMANCE STORE

Once your PERFORMANCE edit is complete, press the blinking PERF button on the display.



At this point both the PERF button and the digit "P01" in the display (indicating the number of the edited performance in this example), blink at the same time.



At this stage it's possible to exit the STORE procedure by simply pressing the EDIT button. The LED will stop blinking and the edited data will be deleted. The display show again the PERF number you start to edit, while the EDIT button LED goes OFF.



COPY THE PERFORMANCE

To help the edit operation the module allows you to copy the PERFORMANCE data to any other available location. In this way it's easier to create, for example, different versions of the same split or layer PERFORMANCE.

Select a performance to be copied.

Use the DATA buttons to select a PERFORMANCE location. It's possible to select any of the 99 available memory locations.

The selected PERFORMANCE is the SOURCE performance, the data contained in this location will be copied in a destination memory location you'll select in the next stage #4

2 Press the EDIT button





3 Press the PERF button in the display, the selected performance number start blinking on the display.



4 Select a destination memory PERFORMANCE location using the DATA buttons.





Keep the PERF button pressed at least 2 sec. to STORE the PERFORMANCE in the new location

Once the "STR" message stop blinking in the display the data are now memorized.



Once the procedure is complete the "STR" display message will stop blinking. Releasing the PERF button the number of the current PERFORMANCE is showed again in the display, to confirm the STORE operation.

The EDIT button LED goes OFF.



MEMORY MANAGEMENT SYSTEM

This menu contains some important function for the global instrument setting:

- COMMON CHANNEL SETTING
- MIDI IDENTIFICATION NUMBER
- SYSTEM RESET
- MIDI DATA BULK

These setting are automatically stored in the expander memory and also saved switching ON/OFF the instrument.

COMMON CHANNEL SETTING

The MIDI COMMON channel is a very useful function allowing a high grade of versatility in MIDI programming. In the default assign the COMMON channel allows you to control the performances playing and selection using the MIDI ch.#01 only. Many of the internal gm-x performance are programmed using different parts (and different MIDI channel) in layer or split mode. The MIDI COMMON allows to fully play and select these performances using a master MIDI controller transmitting in a single MIDI channel.

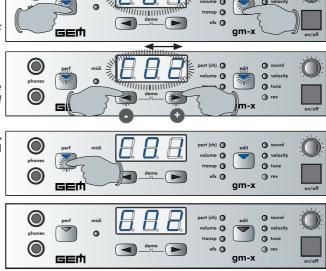
To enter the MIDI COMMON channel setting mode keep pressed al least for 2 seconds the PERF and the EDIT buttons at the same time.

Both the pressed button and the PART (CH) LED will blink in the instrument.

Set the new COMMON using the DATA ◆ ▶ buttons

It is possible to select as COMMON channel any of the 16 available MIDI channel. As you can see the default of the MIDI COMMON is set on ch. #01 (see the note below about the MIDI channel).

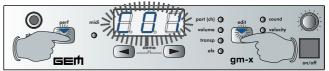
Press the PERF button to exit the COMMON CHANNEL setting mode. The LED on the display stop blinking and the instrument select the default GM2 mode.



MIDI IDENTIFICATION NUMBER

This function allows to use more than one expander in a MIDI network, assigning an identification number of the expander. This function is really useful using the gm-x PC editor, where even the software allows to fix an identification number, in this case it's possible to work with a MIDI sistem composed from two or more module and the relative editors without conflict.

Enter the MEMORY MANAGEMENT SYSTEM mode keeping pressed al least for 2 seconds the PERF and the EDIT buttons at the same time. As already seen, the first menu is the MIDI COMMON channel setting.



Press the EDIT buttons to select the MIDI ID menu, the display show the default ID set on #01 (ALL MODE).



Select a different MIDI ID according with your needs using the DATA ◀▶ buttons. Value Range 0-15.



Press the PERF button to exit the COMMON CHANNEL setting mode. The LED on the display stop blinking and the instrument select the default mode.



SYSTEM RESET

This function restores the original programmed factory set up of the entire instrument.

Enter the MEMORY MANAGEMENT SYSTEM mode keeping pressed al least for 2 seconds the PERF and the EDIT buttons at the same time. As already seen the first menu is the MIDI COMMON channel setting.

Both the pressed button and the PART (CH) LED will blink in the instrument.

selected.

the instrument.

Press the EDIT buttons again and the MIDI ID menu is





Press the EDIT button again, the display show the flashing message "RST", RESET. The RESET menu it's now selected.



Keep the DATA ▶ button pressed (at least 2 sec.) to reset the instrument. In this way the factory data set up is fully restored.



The LED and the display stop blinking and the instrument select the default GM2 mode.



MIDI DATA BULK DUMP

This function transmits the user data contained in the PERFORMANCE to an external MIDI device, such as a PC or a MIDI recorder to create an archive.

To transmit the data BULK to an external device the gm-x MIDI OUT has to be connected to the MIDI IN of the receiving data recorder MIDI IN.

Enter the MEMORY MANAGEMENT SYSTEM mode keeping pressed at least for 2 seconds the PERF and the EDIT buttons at the same time. As already seen the first menu is the MIDI COMMON channel setting.

Both the pressed button and the PART (CH) LED will blink in the instrument.

Pressing <u>three</u> time the EDIT button in the panel, in this way the previous function are selected (MIDI ID, RESET).



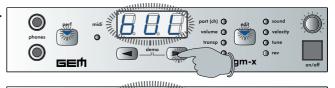




Once the BULK function is reached in the menu, the display show the flashing message "BUL", (BULK).



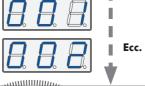
Press the DATA ▶ button to start the data transmission.



The data transmission in progress is visualized in the display with a progressive number, from 0 to 100 (in percentage).

The data transmission can be interrupted at any time, by pressing the DATA ◀ button. In this case the message "ABT" (aborted) appears in the display.





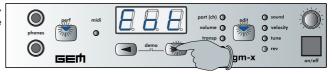
Once the data transmission it's completed the message "EOT" (End of transmission) appears in the display.



At this point it's possible to start a new BULK data transmission (useful in case of error), by simply pressing the DATA button.

The process starts from the beginning again.

It is possible to exit from the BULK menu by pressing the EDIT button in the panel.





Or it's also possible to exit the MEMORY MANAGEMENT SYSTEM mode by pressing the PERF button.



The LED on the display stop blinking and the instrument return to the default GM2 mode.



SOUND LIST

Sound Name	Bnk MSB	Bnk LSB	PrgChg
Grand Piano	0	0	0
Bright Piano	0	0	1
CP Grand	0	0	2
Honky Tonk	0	0	3
Rhodex	0	0	4
Dx Piano	0	0	5
Harpsy	0	0	6
Clavinet	0	0	7
Celesta	0	0	8
Glockenspiel	0	0	9
Music Box	0	0	10
Vibe	0	0	11
Marimba	0	0	12
Xilo	0	0	13
TubBel	0	0	14
Santur	0	0	15
Drawbar Org	0	0	16
Jazz Perc Org	0	0	17
B3 Fast Org	0	0	18
Church Org	0	0	19
Reed Ora	0	0	20
	0	0	21
Musette Harmonica	_		22
	0	0	
Bandoneon	0	0	23
Gtr Flamenco	0	0	24
Gtr Steel	0	0	25
Gtr Jazz Lite	0	0	26
Gtr Strato	0	0	27
Gtr Mute	0	0	28
Gtr Overdrive	0	0	29
Gtr Distorted	0	0	30
Gtr Harmonics	0	0	31
Bass Acoustic	0	0	32
Bass Fingered	0	0	33
Bass Picked	0	0	34
Bass Fretless	0	0	35
Bass Slap 1	0	0	36
Bass Slap 2	0	0	37
Bass Synth 1	0	0	38
Bass Synth 2	0	0	39
Violin	0	0	40
Viola	0	0	41
Cello	0	0	42
Contrabass	0	0	43
Tremolo Strings	0	0	44
Pizzicato	0	0	45
Harp	0	0	46
Timpani	0	0	47
Strings Ensemble	0	0	48
Strings Ensemble Slow	0	0	49
Syn Strings 1	0	0	50
Syn Strings 2	0	0	51
Choir Aahs	0	0	52
Vox Ooh	0	0	53
Syn Vox	0	0	54
Orch Hit	0	0	55
Trumpet Gold (Ped)	0	0	56
Trombone	0	0	57
Bariton	0	0	58
Trumpet Muted	0	0	59
Horns	0	0	60
Brass Pop	0	0	61
Syn Brass 1	0	0	62
Syn Brass 2	0	0	63
-7 2.000 2			

Sound Name	Bnk MSB	Bnk LSB	PrgChg
	0	0	64
Sax Soprano Sax Alto	0	0	65
Sax Tenor	0	0	66
Sax Baritone	0	0	67
Oboe	0	0	68
Eng Horn	0	0	69
Bassoon	0	0	70
Clarinet	0	0	71
Ottavino	0	0	72
Flute	0	0	73
Recorder	0	0	74
Indio Flute	0	0	75
Bottle	0	0	76
Shakuhachi	0	0	77
Whistle	0	0	78
Ocarina	0	0	79
Square	0	0	80
Saw	0	0	81
Calliope	0	0	82
Chiff Lead	0	0	83
Charang	0	0	84
Solo Vox	0	0	85
Saws 5th	0	0	86
Bass Lead	0	0	87
Fantasia	0	0	88
Warm Pad	0	0	89
Poly Synth	0	0	90
Space Voice	0	0	91
Bowed Glass	0	0	92
Metal Pad	0	0	93
Halo Pad	0	0	94
Sweep Pad	0	0	95
Ice Rain	0	0	96
Sound Track	0	0	97
Crystal	0	0	98
Atmosphere	0	0	99
Brightness	0	0	100
Goblin	0	0	101
Echo Drops	0	0	102
Star Theme	0	0	103
Sitar	0	0	104
Banjo	0	0	105
Shamisen	0	0	106
Koto	0	0	107
Kali	0	0	108
Bag Pipe	0	0	109
Fiddle	0	0	110
Shanai	0	0	111
Tinkle Bell	0	0	112
Agogo	0	0	113
Steel Drum	0	0	114
WoodBlock	0	0	115
Taiko	0	0	116
MeloTom	0	0	117
SynthTom	0	0	118
Reverse Cymbal	0	0	119
Gtr Fret Noise	0	0	120
Breath Noise	0	0	121
Sea Shore	0	0	122
Bird Tweet	0	0	123
Telephone	0	0	124
Helicopter	0	0	125
Applause	0	0	126
Gun Shot	0	0	127

SOUND LIST

Rhodex Tine	4 5 6 15 16 18 19 21 23 24 25 26 27 30 33 48 49 52 55
El Piano 11 0 Coupled Harpsi 11 0 Bar Chimes 11 0 Theater Organ 11 0 Rock Organ Slow (Ped) 11 0 Pipe Church Org 11 0 Accordion Italian 11 0 Bandoneon 2 11 0 Ukulele 11 0 Ukulele 11 0 12 Strings Gtr 11 0 Hawaiian Gtr 11 0 Clean Gtr 11 0 Gtr Distorted 2 11 0 Bass Fingered Vintage 11 0 Strings Chamber 11 0 Strings Chamber Slow 11 0 Choir Aahs 2 11 0 Orch Hit Glide 11 0 Trumpet Tjuana 11 0 Horn Solo 11 0 Brass Oct 11 0 Sax Tenor (Ped) 11 0	6 15 16 18 19 21 23 24 25 26 27 30 33 48 49
Bar Chimes 11 0 Theater Organ 11 0 Rock Organ Slow (Ped) 11 0 Pipe Church Org 11 0 Accordion Italian 11 0 Bandoneon 2 11 0 Ukulele 11 0 Ukulele 11 0 12 Strings Gtr 11 0 Hawaiian Gtr 11 0 Clean Gtr 11 0 Gtr Distorted 2 11 0 Bass Fingered Vintage 11 0 Strings Chamber 11 0 Strings Chamber Slow 11 0 Choir Aahs 2 11 0 Orch Hit Glide 11 0 Trumpet Tjuana 11 0 Horn Solo 11 0 Brass Oct 11 0 Sax Alto 2 11 0 Sax Tenor (Ped) 11 0 Clarinet Liscio 11 0	15 16 18 19 21 23 24 25 26 27 30 33 48 49 52
Bar Chimes 11 0 Theater Organ 11 0 Rock Organ Slow (Ped) 11 0 Pipe Church Org 11 0 Accordion Italian 11 0 Bandoneon 2 11 0 Ukulele 11 0 12 Strings Gtr 11 0 Hawaiian Gtr 11 0 Clean Gtr 11 0 Gtr Distorted 2 11 0 Bass Fingered Vintage 11 0 Strings Chamber 11 0 Strings Chamber Slow 11 0 Choir Aahs 2 11 0 Orch Hit Glide 11 0 Trumpet Tjuana 11 0 Horn Solo 11 0 Brass Oct 11 0 Sax Alto 2 11 0 Sax Tenor (Ped) 11 0 Clarinet Liscio 11 0 Flute Orchestral 11 <td< td=""><td>16 18 19 21 23 24 25 26 27 30 33 48 49</td></td<>	16 18 19 21 23 24 25 26 27 30 33 48 49
Rock Organ Slow (Ped) 11 0 Pipe Church Org 11 0 Accordion Italian 11 0 Bandoneon 2 11 0 Ukulele 11 0 12 Strings Gtr 11 0 Hawaiian Gtr 11 0 Clean Gtr 11 0 Gtr Distorted 2 11 0 Bass Fingered Vintage 11 0 Strings Chamber 11 0 Strings Chamber Slow 11 0 Choir Aahs 2 11 0 Orch Hit Glide 11 0 Trumpet Tjuana 11 0 Horn Solo 11 0 Brass Oct 11 0 Sax Alto 2 11 0 Sax Tenor (Ped) 11 0 Clarinet Liscio 11 0 Flute Orchestral 11 0 Phat Synth 11 0 Popper 11 0	18 19 21 23 24 25 26 27 30 33 48 49
Pipe Church Org 11 0 Accordion Italian 11 0 Bandoneon 2 11 0 Ukulele 11 0 12 Strings Gtr 11 0 Hawaiian Gtr 11 0 Clean Gtr 11 0 Gtr Distorted 2 11 0 Bass Fingered Vintage 11 0 Strings Chamber 11 0 Strings Chamber Slow 11 0 Choir Aahs 2 11 0 Orch Hit Glide 11 0 Trumpet Tjuana 11 0 Horn Solo 11 0 Brass Oct 11 0 Sax Alto 2 11 0 Sax Tenor (Ped) 11 0 Clarinet Liscio 11 0 Flute Orchestral 11 0 Phat Synth 11 0 Azimut 11 0 Phat Synth 11 0	19 21 23 24 25 26 27 30 33 48 49
Pipe Church Org 11 0 Accordion Italian 11 0 Bandoneon 2 11 0 Ukulele 11 0 12 Strings Gtr 11 0 Hawaiian Gtr 11 0 Clean Gtr 11 0 Gtr Distorted 2 11 0 Bass Fingered Vintage 11 0 Strings Chamber 11 0 Strings Chamber Slow 11 0 Choir Aahs 2 11 0 Orch Hit Glide 11 0 Trumpet Tjuana 11 0 Horn Solo 11 0 Brass Oct 11 0 Sax Alto 2 11 0 Sax Tenor (Ped) 11 0 Clarinet Liscio 11 0 Flute Orchestral 11 0 Phat Synth 11 0 Azimut 11 0 Phat Synth 11 0	21 23 24 25 26 27 30 33 48 49
Bandoneon 2 11 0 Ukulele 11 0 12 Strings Gtr 11 0 Hawaiian Gtr 11 0 Clean Gtr 11 0 Gtr Distorted 2 11 0 Bass Fingered Vintage 11 0 Strings Chamber 11 0 Strings Chamber Slow 11 0 Choir Aahs 2 11 0 Orch Hit Glide 11 0 Trumpet Tjuana 11 0 Horn Solo 11 0 Brass Oct 11 0 Sax Alto 2 11 0 Sax Tenor (Ped) 11 0 Clarinet Liscio 11 0 Flute Orchestral 11 0 Phat Synth 11 0 Phat Synth 11 0 Azimut 11 0 Phat Synth 11 0 Decay Lead 11 0	23 24 25 26 27 30 33 48 49 52
Ukulele 11 0 12 Strings Gtr 11 0 Hawaiian Gtr 11 0 Clean Gtr 11 0 Gtr Distorted 2 11 0 Bass Fingered Vintage 11 0 Strings Chamber 11 0 Strings Chamber Slow 11 0 Choir Aahs 2 11 0 Orch Hit Glide 11 0 Trumpet Tjuana 11 0 Horn Solo 11 0 Brass Oct 11 0 Sax Alto 2 11 0 Sax Tenor (Ped) 11 0 Clarinet Liscio 11 0 Flute Orchestral 11 0 Pulse 11 0 Phat Synth 11 0 Azimut 11 0 Phat Synth 11 0 Azimut 11 0 Decay Lead 11 0 O	24 25 26 27 30 33 48 49 52
12 Strings Gtr 11 0 Hawaiian Gtr 11 0 Clean Gtr 11 0 Gtr Distorted 2 11 0 Bass Fingered Vintage 11 0 Strings Chamber 11 0 Strings Chamber Slow 11 0 Choir Aahs 2 11 0 Orch Hit Glide 11 0 Trumpet Tjuana 11 0 Horn Solo 11 0 Brass Oct 11 0 Sax Alto 2 11 0 Sax Tenor (Ped) 11 0 Clarinet Liscio 11 0 Flute Orchestral 11 0 Phat Synth 11 0 Phat Synth 11 0 Azimut 11 0 Phat Synth 11 0 Popper 11 0 Jump 11 0 Propper 11 0 Ju	25 26 27 30 33 48 49 52
Hawaiian Gtr 11 0 Clean Gtr 11 0 Gtr Distorted 2 11 0 Bass Fingered Vintage 11 0 Strings Chamber 11 0 Strings Chamber Slow 11 0 Choir Aahs 2 11 0 Orch Hit Glide 11 0 Trumpet Tjuana 11 0 Horn Solo 11 0 Brass Oct 11 0 Sax Alto 2 11 0 Sax Tenor (Ped) 11 0 Flute Orchestral 11 0 Pulse 11 0 Phat Synth 11 0 Phat Synth 11 0 Azimut 11 0 Phat Synth 11 0 Jump 11 0 Popper 11 0 Jump 11 0 Prophet 11 0 Prophet <	26 27 30 33 48 49 52
Clean Gtr 11 0 Gtr Distorted 2 11 0 Bass Fingered Vintage 11 0 Strings Chamber 11 0 Strings Chamber Slow 11 0 Choir Aahs 2 11 0 Orch Hit Glide 11 0 Trumpet Tjuana 11 0 Horn Solo 11 0 Brass Oct 11 0 Sax Alto 2 11 0 Sax Tenor (Ped) 11 0 Flute Orchestral 11 0 Flute Orchestral 11 0 Phat Synth 11 0 Phat Synth 11 0 Azimut 11 0 Phat Synth 11 0 Azimut 11 0 Popper 11 0 Jump 11 0 Prophet 11 0 Decay Lead 11 0 Wind	27 30 33 48 49 52
Gtr Distorted 2 11 0 Bass Fingered Vintage 11 0 Strings Chamber 11 0 Strings Chamber Slow 11 0 Choir Aahs 2 11 0 Orch Hit Glide 11 0 Trumpet Tjuana 11 0 Horn Solo 11 0 Brass Oct 11 0 Sax Alto 2 11 0 Sax Tenor (Ped) 11 0 Clarinet Liscio 11 0 Flute Orchestral 11 0 Pluse 11 0 Phat Synth 11 0 Azimut 11 0 Phat Synth 11 0 Azimut 11 0 Decay Lead 11 0 Decay Lead 11 0 Obx 11 0 Prophet 11 0 SynBrSweep 11 0 Wind	30 33 48 49 52
Bass Fingered Vintage 11 0 Strings Chamber 11 0 Strings Chamber Slow 11 0 Choir Aahs 2 11 0 Orch Hit Glide 11 0 Trumpet Tjuana 11 0 Horn Solo 11 0 Brass Oct 11 0 Sax Alto 2 11 0 Sax Tenor (Ped) 11 0 Clarinet Liscio 11 0 Flute Orchestral 11 0 Pulse 11 0 Phat Synth 11 0 Azimut 11 0 Phat Synth 11 0 Azimut 11 0 Decay Lead 11 0 Decay Lead 11 0 Obx 11 0 Prophet 11 0 SynBrSweep 11 0 Wind 11 0 DrumKit_SOM1	33 48 49 52
Strings Chamber 11 0 Strings Chamber Slow 11 0 Choir Aahs 2 11 0 Orch Hit Glide 11 0 Trumpet Tjuana 11 0 Horn Solo 11 0 Brass Oct 11 0 Sax Alto 2 11 0 Sax Tenor (Ped) 11 0 Clarinet Liscio 11 0 Flute Orchestral 11 0 Pulse 11 0 Phat Synth 11 0 Azimut 11 0 Azimut 11 0 Chopper 11 0 Jump 11 0 Jump 11 0 Decay Lead 11 0 Obx 11 0 Prophet 11 0 SynBrSweep 11 0 Wind 11 0 Mandolin 11 0 <td>48 49 52</td>	48 49 52
Strings Chamber Slow 11 0 Choir Aahs 2 11 0 Orch Hit Glide 11 0 Trumpet Tjuana 11 0 Horn Solo 11 0 Brass Oct 11 0 Sax Alto 2 11 0 Sax Tenor (Ped) 11 0 Clarinet Liscio 11 0 Flute Orchestral 11 0 Pulse 11 0 Phat Synth 11 0 Azimut 11 0 Azimut 11 0 Chopper 11 0 Jump 11 0 Jump 11 0 Filt Res 11 0 Decay Lead 11 0 Obx 11 0 Prophet 11 0 SynBrSweep 11 0 Wind 11 0 Mandolin 11 0	49 52
Choir Aahs 2 11 0 Orch Hit Glide 11 0 Trumpet Tjuana 11 0 Horn Solo 11 0 Brass Oct 11 0 Sax Alto 2 11 0 Sax Tenor (Ped) 11 0 Clarinet Liscio 11 0 Flute Orchestral 11 0 Pulse 11 0 Phat Synth 11 0 Azimut 11 0 Chopper 11 0 Jump 11 0 Filt Res 11 0 Decay Lead 11 0 Obx 11 0 Prophet 11 0 SynBrSweep 11 0 Wind 11 0 Mandolin 11 0 DrumKit_ROOM1 11 0	52
Orch Hit Glide 11 0 Trumpet Tjuana 11 0 Horn Solo 11 0 Brass Oct 11 0 Sax Alto 2 11 0 Sax Tenor (Ped) 11 0 Clarinet Liscio 11 0 Flute Orchestral 11 0 Pulse 11 0 Phat Synth 11 0 Azimut 11 0 Chopper 11 0 Jump 11 0 Filt Res 11 0 Decay Lead 11 0 Obx 11 0 Prophet 11 0 SynBrSweep 11 0 Wind 11 0 Mandolin 11 0 DrumKit_ROOM1 11 0	
Trumpet Tjuana 11 0 Horn Solo 11 0 Brass Oct 11 0 Sax Alto 2 11 0 Sax Tenor (Ped) 11 0 Clarinet Liscio 11 0 Flute Orchestral 11 0 Phat Synth 11 0 Azimut 11 0 Chopper 11 0 Jump 11 0 Filt Res 11 0 Decay Lead 11 0 Prophet 11 0 SynBrSweep 11 0 Wind 11 0 Mandolin 11 0 DrumKit_STD1 11 0 DrumKit_ROOM1 11 0	55
Horn Solo	
Brass Oct 11 0 Sax Alto 2 11 0 Sax Tenor (Ped) 11 0 Clarinet Liscio 11 0 Flute Orchestral 11 0 Pulse 11 0 Phat Synth 11 0 Azimut 11 0 Chopper 11 0 Jump 11 0 Filt Res 11 0 Decay Lead 11 0 Obx 11 0 Prophet 11 0 SynBrSweep 11 0 Wind 11 0 Mandolin 11 0 DrumKit_STD1 11 0 DrumKit_ROOM1 11 0	56
Sax Alto 2 11 0 Sax Tenor (Ped) 11 0 Clarinet Liscio 11 0 Flute Orchestral 11 0 Pulse 11 0 Phat Synth 11 0 Azimut 11 0 Chopper 11 0 Jump 11 0 Filt Res 11 0 Decay Lead 11 0 Obx 11 0 Prophet 11 0 SynBrSweep 11 0 Wind 11 0 Mandolin 11 0 DrumKit_STD1 11 0 DrumKit_ROOM1 11 0	60
Sax Tenor (Ped) 11 0 Clarinet Liscio 11 0 Flute Orchestral 11 0 Pulse 11 0 Phat Synth 11 0 Azimut 11 0 Chopper 11 0 Jump 11 0 Filt Res 11 0 Decay Lead 11 0 Obx 11 0 Prophet 11 0 SynBrSweep 11 0 Wind 11 0 Mandolin 11 0 DrumKit_STD1 11 0 DrumKit_ROOM1 11 0	61
Clarinet Liscio 11 0 Flute Orchestral 11 0 Pulse 11 0 Phat Synth 11 0 Azimut 11 0 Chopper 11 0 Jump 11 0 Filt Res 11 0 Decay Lead 11 0 Obx 11 0 Prophet 11 0 SynBrSweep 11 0 Wind 11 0 Mandolin 11 0 DrumKit_STD1 11 0 DrumKit_ROOM1 11 0	65
Flute Orchestral 11 0 Pulse 11 0 Phat Synth 11 0 Azimut 11 0 Chopper 11 0 Jump 11 0 Filt Res 11 0 Decay Lead 11 0 Obx 11 0 Prophet 11 0 SynBrSweep 11 0 Wind 11 0 Mandolin 11 0 DrumKit_STD1 11 0 DrumKit_ROOM1 11 0	66
Pulse 11 0 Phat Synth 11 0 Azimut 11 0 Chopper 11 0 Jump 11 0 Filt Res 11 0 Decay Lead 11 0 Obx 11 0 Prophet 11 0 SynBrSweep 11 0 Wind 11 0 Mandolin 11 0 DrumKit_STD1 11 0 DrumKit_ROOM1 11 0	71
Phat Synth 11 0 Azimut 11 0 Chopper 11 0 Jump 11 0 Filt Res 11 0 Decay Lead 11 0 Obx 11 0 Prophet 11 0 SynBrSweep 11 0 Wind 11 0 Mandolin 11 0 DrumKit_STD1 11 0 DrumKit_ROOM1 11 0	73
Azimut 11 0 Chopper 11 0 Jump 11 0 Filt Res 11 0 Decay Lead 11 0 Obx 11 0 Prophet 11 0 SynBrSweep 11 0 Wind 11 0 Mandolin 11 0 DrumKit_STD1 11 0 DrumKit_ROOM1 11 0	80
Chopper 11 0 Jump 11 0 Filt Res 11 0 Decay Lead 11 0 Obx 11 0 Prophet 11 0 SynBrSweep 11 0 Wind 11 0 Mandolin 11 0 DrumKit_STD1 11 0 DrumKit_ROOM1 11 0	81
Jump 11 0 Filt Res 11 0 Decay Lead 11 0 Obx 11 0 Prophet 11 0 SynBrSweep 11 0 Wind 11 0 Mandolin 11 0 DrumKit_STD1 11 0 DrumKit_ROOM1 11 0	82
Filt Res 11 0 Decay Lead 11 0 Obx 11 0 Prophet 11 0 SynBrSweep 11 0 Wind 11 0 Mandolin 11 0 DrumKit_STD1 11 0 DrumKit_ROOM1 11 0	83
Decay Lead 11 0 Obx 11 0 Prophet 11 0 SynBrSweep 11 0 Wind 11 0 Mandolin 11 0 DrumKit_STD1 11 0 DrumKit_ROOM1 11 0	84
Obx 11 0 Prophet 11 0 SynBrSweep 11 0 Wind 11 0 Mandolin 11 0 DrumKit_STD1 11 0 DrumKit_ROOM1 11 0	85
Prophet 11 0 SynBrSweep 11 0 Wind 11 0 Mandolin 11 0 DrumKit_STD1 11 0 DrumKit_ROOM1 11 0	86
SynBrSweep 11 0 Wind 11 0 Mandolin 11 0 DrumKit_STD1 11 0 DrumKit_ROOM1 11 0	87
Wind 11 0 Mandolin 11 0 DrumKit_STD1 11 0 DrumKit_ROOM1 11 0	92
Mandolin 11 0 DrumKit_STD1 11 0 DrumKit_ROOM1 11 0	95
DrumKit_STD1 11 0 DrumKit_ROOM1 11 0	98
DrumKit_ROOM1 11 0	105
	112
IDrumKit POWER1 11 0	113
	114
DrumKit_ELECT1 11 0	115
DrumKit_ANALOG1 11 0	116
DrumKit_JAZZ1 11 0	117
DrumKit_BRUSH1 11 0	118
DrumKit_ORCH1 11 0	119
Gtr Cut Noise 11 0	120
Flute Key Clk 11 0	121
Rain 11 0	122
Dog 11 0	123
Telephone 2 11 0	124
Car Engine 11 0	125
Laughing 11 0	
Siren 11 0	126
Wurlye 12 0	126 127
Fm Piano 12 0	126 127 4
Musette Touch 12 0	126 127 4 5
Organ LFO 12 0	126 127 4 5 21
Nylon Gtr Espana 12 0	126 127 4 5 21 23
Gtr Steel 2 12 0	126 127 4 5 21 23 24
Gtr Jazz Standard 12 0	126 127 4 5 21 23 24 25
Gtr Distorted 3 12 0	126 127 4 5 21 23 24

Sound Name	Bnk MSB	Bnk LSB	PrgChg
Bass Fing Switch	12	0	33
Bass Deep	12	0	38
Bass Sinus	12	0	39
Violin Orch	12	0	40
Strings Ens Marcato	12	0	48
Flugel Horn	12	0	56
Toto Horns	12	0	60
Synt Horn	12	0	62
Sax Alto Vib	12	0	65
Sax Tenor Growl	12	0	66
Pulse 2	12	0	80
Lyle	12	0	81
Syn Lead	12	0	82
Digital	12	0	83
Sound Track	12	0	84
Filt Res 2	12	0	85
Decay Lead 2	12	0	86
Obx 2	12	0	87
Prophet 2	12	0	92
PhatSweep	12	0	95
Ethnic Gtr	12	0	105
DrumKit_STD2	12	0	112
DrumKit_ROOM2	12	0	113
DrumKit_POWER2	12	0	114
DrumKit_ELECT2	12	0	115
DrumKit_ANALOG2	12	0	116
DrumKit_JAZZ2	12	0	117
DrumKit_BRUSH2	12	0	118
DrumKit_SFX	12	0	119
String Slap	12	0	120
Scratch	12	0	121
Thunder	12	0	122
Horse	12	0	123
Door Creaking	12	0	124
Car Stop	12	0	125
Screaming	12	0	126
Laser Gun	12	0	127
B3 Org Press	13	0	18
Accordion Italian Touch	13	0	21
Bandoneon Touch	13	0	23
Gtr Dist Pwr Soldano	13	0	30
Strings Ens Marcato	13	0	48
Sax Alto Circus	13	0	65
Gtr Ovation	13	0	25
OB8seq	13	0	80
Moog Bass	13	0	81
Moog Lead	13	0	82
Analog Synth	13	0	83
Syn Anlg Brass	13	0	84
Phat Pad	13	0	85
Percus Synth	13	0	88
Glass Pad	13 13	0	89 105
Mondolin Tremolo	13		
RevrsTexture		0	124
TamTam	13	0	125
TamTam Fx	13	0	126
Booom	13	0	127

PERFORMANCE LIST

Prg.Chng#	Name	Туре	Note
1	Grand Piano+Strings	Layer	11010
2	DX- Piano+Strings	Layer	
3	Rhodex	Single	
4	Thin Rhodex	Single	
5	Rhodex Strings	Layer	
6	Real Wurlixer	Single	
7	Wurlyxer Tremolo	Single	
8	CP- Grand	Single	
9	Clavinet	Single	
10	Vibe Split	Split	
11	Slow Organ	Single	(PED)
12	B 3 PRESS	Single	
13	Theater Organ	Single	
14	Church Organ	Single	
15	Musette	Single	
16	Harmonica Split	Split	
17	Bandoneon	Split	
18	Nylon Guit.	Single	
19	Steel Guit	Layer	
20	Steel Guit 2	Single	
21	12 String	Single	
22	Stratocaster	Single	
23	Power Lead Split	Split	
24	Real Strings Layer		
25	Syn Strings Single		
26	Choir AAH Layer		
27	Syn Vox Layer		
28	Orchester HIT Single		
29	Trumpet	Single	(PED)
30	Trombone	Single	
31	Mute Trumpet	Single	
32	Horns	Single	
33	Brass Sect.	Single	
34	Syn Brass	Single	
35	Syn Horns	Layer	
36	Alto Sax	Single	
37	Tenor Sax	Single	
38	Bariton Sax Growl Sax	Single	(DED)
39 40		Single	(PED)
41	Oboe Strings Clarinet	Split Split	
41	Flute	Split	
43	Indio Flute	Split	
44	Fantasie	Layer	
45	Bright Voice	Multi	
40	Pridur Anice	Iviuiu	

Prg.Chng#	Name	Туре	Note
46	Atmosphere	Multi	
47	Star Theme	Multi	
48	Sweep Pad	Multi	
49	Lead solo Single		
50	Saxes	Multi	
51	Sax+Mute	Multi	
52	Brass 1	Multi	
53	Phat Synth	Single	
54	Mandoline	Split	
55	Mando Tremolo	Multi	
56	Italy Accordeon	Split	
57	Recorder/ Split	Split	
58	Fantasie	Split	
59	Cristal-Strings	Split	
60	Barockoco	Multi	
61	Trumpet Choir	Multi	
62	Big Choir	Multi	
63	Orchester Horns	Multi	
64	Brass Sect 2	Multi	
65	OB- Brass	Layer	
66	Syn Lead Layer		
67	Syn Lead 2 Layer		
68	Phat Sweep Layer		
69	Lead Split Split		
70	E-Piano Mix Multi		
71	Bell Pad Multi		
72	Tremolo Strings Single		
73	Pizzicato Single		
74	Viola Set	Layer	
75	Orch Hit Split	Multi	
76	Nylon Split	Split	
77	Jazz Guit. Split	Split	
78	Mute delay	Split	
79	Stratocaster 2	Split	
80	Distortion Split	Split	
81	Prophet Vox	Split	
82	Phat+Strings	Split	
83	Phat Pad delay	Layer	
84	Trumpet+Clarinet	Layer	
85	Horns+Trumpet	Layer	
86	Ober Duett Layer		
87	Church'n Chor Layer		
88	Bright'n Voice Multi		
89	Applause	Single	
90	Drum SET	DrumSet	

91	Musette Accordeon	
92	Oberkrein Duett	
93	Accordeon	
94	Saxophone	
95	Trumpet MIX	
96	Accordeon+Trumpet	
97	Trumpet + Strings	
98	Chor + Sax	
99	Mandolin+Strings	

Beware!

The Performance #91-99 are programmed to be used with a MIDI accordion. To properly control these performances please select the Common Channel 15 (or 16).

MIDI IMPLEMENTATION CHART

GemDate:ott-06Model GM-XMIDI Implementation ChartVersion:1.00

Function			Transmitted	Recognized	NOTE
Basic		Default	Х	1-16	These data are memorized als switching the module OFF
Channel		Changed	Х	1-16	J J
		Default	X	Mode 3	
Mode		Messages	X	Mode 3, 4	
WIOGO		Altered	******	Wiodo o, 4	
Note number		Aiteleu	Х	0-127	
Velocity		Note On	X	0	
Velocity		Note Off			
		Note Oil	Х	0	ļ
Channel Aftertouch			Х	0	
Pitch Bend			Χ	0	
Control Change	0,32		Χ	0	Bank Select
	1		Х	0	Modulation
	5		X	0	Portamento time
	6,38		X	0	Data Entry Volume
	10		X X	0	Pan Pot
	11		X	0	Expression
	64		X	0	Sustain
	65		X	0	Portamento
	66		Χ	0	Sostenuto
	67		Χ	0	Soft
	71		Х	0	Filter Resonance
	72		Х	0	Release time
	73		X	0	Attack Time Filter Cut Off
	74 75		X X	0	Decay Time
	76		X	0	Vibrato Rate
	77		X	0	Vibrato Depht
	78		X	0	Vibrato Delay
	84		X	0	Portamento control
	91		X	0	Portamento control Reverb send level
	93		Х	0	Chorus send level
	98, 99		Χ	0	Chorus send level NRPN LSB, MSB
	100, 101		X	0	IRPN LSB, MSB
Program Change			Х	0	
U U		True Number	******	0-127	
Custom suskusius					1
System exclusive			0	0	
System Common		Song Position	Х	х	
2,0.0 00		Song Select	X	X	
		Tune Request			
		Tune Request	Х	Х	
System Real-Time		Clock	Х	Х	
•		Commands	Х	Х	
		<u>'</u>			
Auxiliary Messages		All sound OFF	Х	0	
		Resel ALL Controller	Х	0	
		LOCAL ON/OFF	Х	Х	
		Active Sensing	X	X	
		System Reset			
		System Reset	Х	Х	<u> </u>
lode 3: OMNI OFF, POLY					o: Yes
1000 0. 0111111 011,1 011					

TECHNICAL SPECIFICATIONS

Туре	GM- Standard expander + Special Sounds	
Polyphony	64- Notes max.	
Sounds	248 pcm/physical modelling sounds (GM Standard compatible)	
Display	3 digit LED Display	
Performance Mode	99 Performances	
GM- Mode	16 Parts / 16 Channel	
Multi Mode	16 - Parts	
Output	1 x Stereo out (Left + Right Jack)	
Input	1 x Stereo in (Left + Right RCA)	
Midi	In/ Out / Thru	
Pedals	1 x Continuos control (optional Expression)	
	1 x Single switch or multipedal (optional)	
Headphones	2 x headphones	
Mastervolume	Master Volume knob	
Edit-Mode	Part (ch), Sound, Volume, Velocity, Transpose, Reverb, EFX, Tune	
Effects	6 Reverb (Room: small, medium, large; Hall: Large, Medium; Stage) 4 Effects: Chorus, Phaser, Tremolo, Stereo Delay)	
DSP technology	D.R.A.K.E. by Generalmusic	
memory size	Flash Ram 64 MB	
Extra info	Midi Velocity Fix IN / PC editor, "easy to use" interface	
USB	USB	
PC- Software	Gm-x PC editor	
Manuals	English, Italiano, Deutsch, Français	
Weight	2,5 Kg./5,5 lbs	
Dimensions	218 x 44 x 198 mm/ 8,5 x 1,7 x 7,8 inch	

