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WARNINGS

MAINS POWER CONNECTION

Before connecting the power supply/external adapter to the mains make sure the mains voltage corresponds to the specified equipment voltage (max tolerance of $\pm 10\%$). Use exclusively the power supply/adapter supplied with the unit or an identically specified replacement: risk of equipment malfunctions or damage.

CONNECTIONS, POWERING ON/OFF

All connections must be made with the unit powered off.

Power the unit on and off only when the audio amplification system is powered off.

CONNECTION TO PC AS AN EXPANDER

When connected to a PC via USB to the "USB MIDI" port, MERISH 3 is automatically recognised as a dual audio/MIDI device without having to install any software. It is usually identified as USB Speaker 1 and USB speaker 2, corresponding to the two internal MIDI 1 and MIDI 2 generators, but the name may change in accordance with the operating systems or applications in use.

PROTECTION AND MAINTENANCE

Avoid prolonged exposure of the unit to direct sunlight, intense heat sources, strong vibration, very damp or dusty surroundings, and rain, since these conditions can lead to malfunctions and deterioration of the unit and give rise to the risk of electric shock. Remove dust using a soft dry cloth or a brush. Do not attempt to clean the unit with alcohol, acetone or solvents. No further maintenance tasks are necessary.

IN CASE OF FAULTS

All adjustments for use of the unit are external and easily accessible. Accessing internal parts can cause electric shock and is permitted only for qualified and authorised personnel. In the cause of faults, contact the M-LIVE Service Centre - e-mail: assistenza@m-live.com

DOCUMENTATION

Updates and other supports are available from www.m-live.com

merish3 TOUCH THE MUSIC

ON STAGE

M-Live has been producing backing tracks and devices for live music since 1987. 1998 saw the presentation of the first Merish, an innovative device that was to become a benchmark among midi players. In 2009 M-Live released a new version of Merish, to widespread acclaim. 2013 was the year of Merish 2, which repeated the success of the previous version. In 2014 M-Live launched Merish 3, the natural evolution of a product that is widely recognised by musicians. M-Live draws from its almost three decades of experience in the field of Midi, Audio, DSP Technology and the production of digital music in various formats.

SIMPLE AND POWERFUL

Merish 3 is an easy to use player without limitations in terms of compatibility and musical formats although simultaneously offering a series of powerful functions and featuring rational ergonomic solutions. We have attempted to provide what artists have long been clamouring for: a unit that is extremely powerful, but at the same time straightforward and reliable.

PLAYS, MIXES, RECORDS

Merish 3 plays and mixes Midi and Mp3 files, also in the most widely used Karaoke formats. It includes "Wizard" and "Go To" functions to switch between tracks from and to any point. It reads USB pen drives and external hard disks; it reads the PC keyboard and functions as a high quality Midi generator. It records performances and edits Midi files. It imports lyrics files and syncs them with the music, whether Midi or Mp3. It reads and displays JPG, BMP and PNG backgrounds.

NEW SOUND

A great deal of care has gone into creating the sounds and configuring the audio section. We were assisted in this work by our experience as a Midi file producer and a library of more than 10,000 titles to which we own the copyright. Sound generation in Merish 3 is provided by two powerful DSPs capable of playing two Midi files simultaneously with 32 channels and 108 voices. The samples are stored in a 128Mb memory - double the size of the Merish 2 memory.

PLAYLIST WIZARD

Merish 3 plays and mixes music files in Midi or MP3 format. With Midi files the mix can be from and to any point of the songs, with various connection modes: immediate or mixed with various cross-fade curves. Merish 3 identifies the musical phrases of the Midi songs and connects them in the manner of a DJ-Arranger. The playlists are created in real time: just choose Next Song and Merish 3 will mix the song currently playing with the next song in the list.

DIGITAL MIXER WITH EFFECTS

Two microphone inputs, also with phantom power. Two audio inputs, main audio outputs + monitor; Click Out and Headphones. The Mixer includes an equalizer for the voice and backing tracks, two microphone effects, and a 3 voice harmonizer on the first mic channel.

RECORD IN MP3 FORMAT

Record your performances with Merish 3 and personalise your Midi files to convert them into Mp3 audio files. Save the file also in Mp3 format for the maximum compatibility.

SONG OPTIMISATION

Merish 3 reads and plays the majority of digital music formats on the market: Mp3, Mp3 karaoke, MP3-Karaoke5, MP3+G, MIDI, General MIDI, MF3, MF4, MF5, and Kar. To get the best out of the Midi player we recommend using original M-Live backing tracks because of the following features:

- Presence of markers in the backing track
- Accurate and tested writing of Midi events
- Presence of database records (title, artist and musical genre)
- Tested and guaranteed files
- Files all perfectly in line with copyright law, both for the music and the Karaoke lyrics.

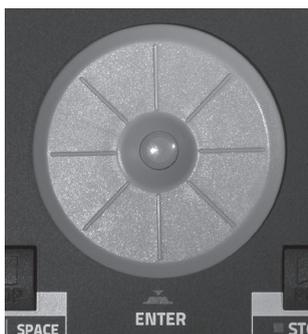
QUICK GUIDE FOR THE USE OF MERISH 3

INTRODUCTION. ONLINE HELP

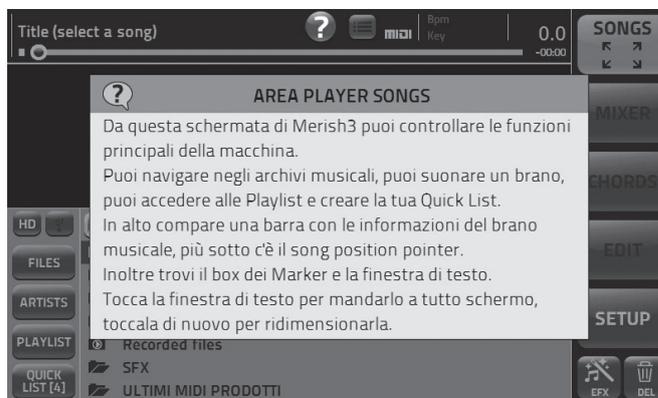
This document is a guide containing general information on Merish 3.



Merish 3 has an OnLine help facility with explanations of the various functions accessible in real time by pressing the Enter key for more than 1 seconds.



From that time on, any key you press will be cause a window to open with an explanation of the associated function. To quit Help mode press ESC.



OnLine Help is also available for the physical keys and the potentiometers. Enter the Help environment and try pressing one of Merish 3's physical keys: the Help Box will appear with an explanation of the key.

Use the Help function for information on how to use the front panel keys and potentiometers.

Merish 3 is a simple and intuitive player. This document contains instructions for various functions that may not be completely intuitive and require further explanation.

ICONS, PULLDOWN MENUS AND SLIDERS



Alpha Dial

When this icon appears alongside or inside a box turning the Alpha Dial will change the value or setting in the box. In general, the Alpha Dial affects all editable parameters or parameters chosen in a list.



Pulldown menu

This box is a pulldown menu and it contains a series of settings or values that can be selected by turning the Alpha Dial or by pressing the "Up" / "Down" keys. Simply touch the pulldown menu to open it.



Sliders

To activate a slider touch it and change the value by turning the Alpha Dial. You can move a slider rapidly by touching the required point of arrival.

Zoom In | Zoom Out



When this icon appears in a key it means the associated page can be enlarged.



When this icon appears in a key it means the associated page can be resized.

Icons



This icon identifies an Artist.

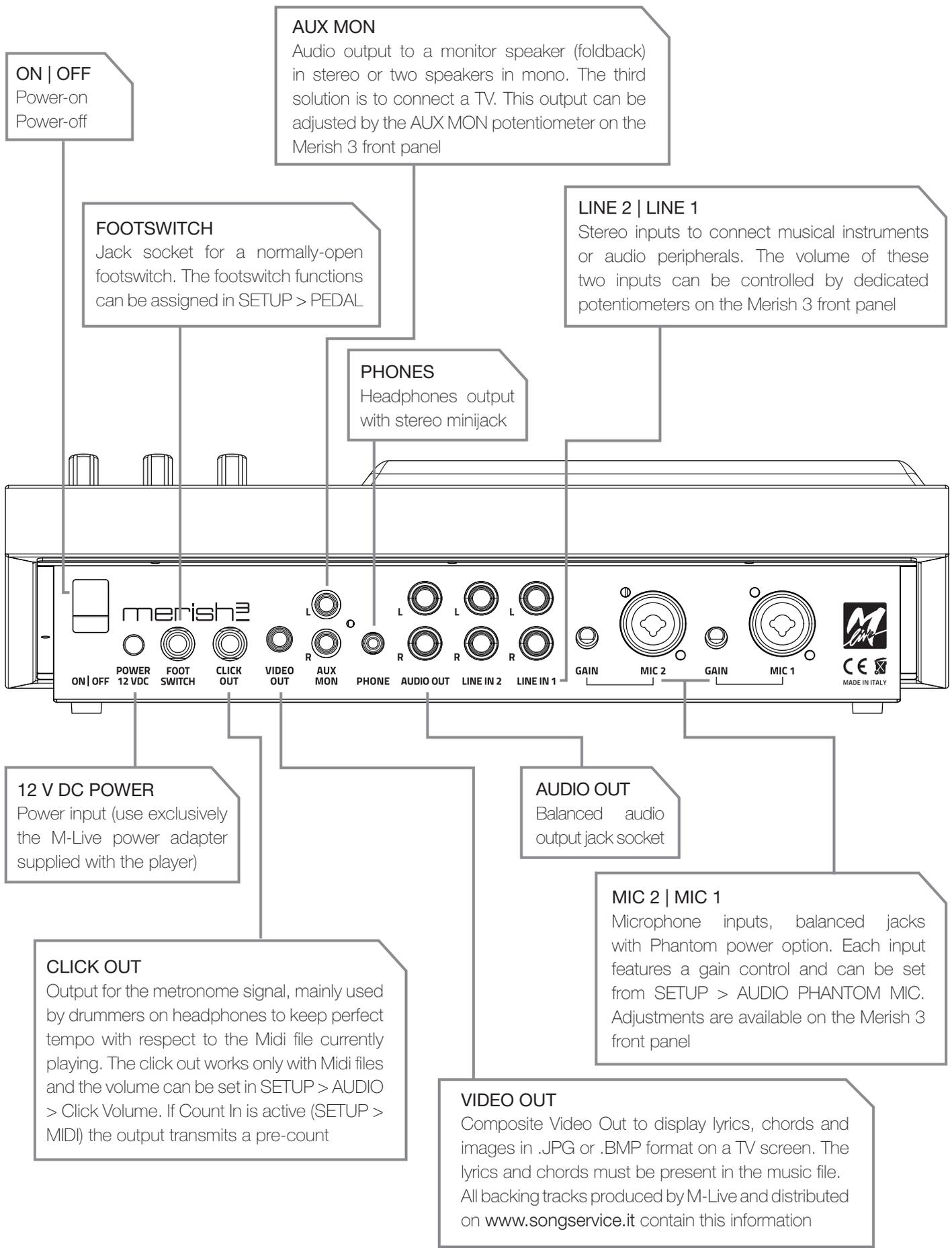


This icon identifies a Musical Genre.



These icons define the file type: Midi or MP3.

CONNECTIONS AND REAR PANEL

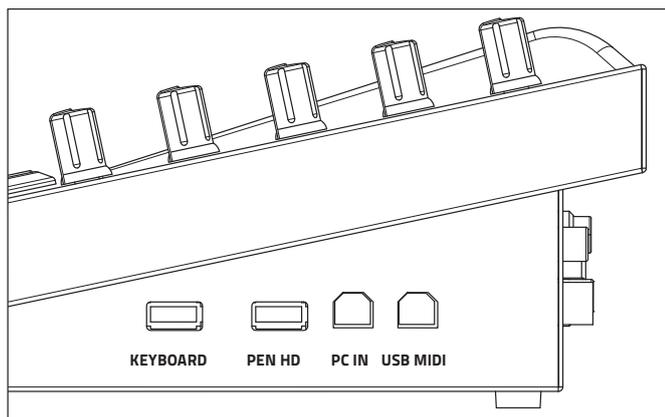


TRANSFERRING A REPERTORY, HARD DISK AND MEMORIES

MASS STORAGE MEDIA AND PC INTERFACE

Merish 3 has 64GB of solid state mass memory and is able to read external USB pen drives. You can also connect an external Hard Disk.

The USB pen drive and external hard Disk must be connected to the USB port on the right-hand side of the unit labelled: PEN - HD.



Merish 3 contains a solid state internal memory that can hold several thousand Midi files and many thousands of Mp3 files (approximately 13,000). There are two ways of uploading this repertory to Merish 3:

1. Connect the unit to a PC on the PC IN input and transfer the required files and folders by copying them to the Merish 3 peripheral device.
2. Copy the repertory to Merish 3 from a USB pen drive (or external Hard Disk).

When Merish 3 is connected to the PC (PC - In input) it will be displayed as an external drive. The files and folders containing the backing tracks can be moved or copied directly to the Merish 3 internal memory using normal PC copy and move functions.

CAUTION: connect the PC to Merish 3 only when it is powered off to avoid problems of recognition by the PC and possible malfunctions. Power on Merish 3 and transfer the files and folders you need. After transferring the backing tracks from PC to Merish 3 it is good practice to run the "REBUILD DATABASE" function as follows:

1. Power on Merish 3 and select "Setup".
2. Touch "DATABASE" and then "HARD DISK" to start rebuilding the internal memory database.



USING USB PEN DRIVES

When you plug a USB pen drive into the USB port Merish 3 can read the drive directory and play the files it contains. You can also copy the contents of a USB pen drive to the Merish 3 Hard Disk.

The USB drive can be consulted using the normal navigation functions, i.e. "Search" or the "Songs" key.

You can also index the USB drive database using Setup > Database > USB Memory. Indexing is active if the stored songs are complete with Title, Artist and Musical Genre information. The Midi files distributed by M-Live on www.songservice.it all contain this type of information.

BROWSING USB PEN DRIVE CONTENTS

1. Insert the USB pen in the USB port on the right-hand side of the Merish 3 unit.
2. Touch the "Songs" key to open the associated window.
3. Touch the USB icon.

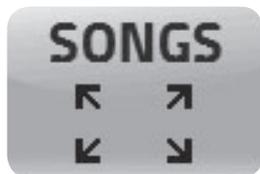


4. Select the folders or files on the USB pen drive using the Alpha Dial and the Enter key. Alternatively, once you have inserted the USB pen drive you can press the "Search" key and type in a search keyword: Title, Artist or preferred Musical Genre. Merish 3 will search for the files you are seeking both in the internal memory and on a USB pen drive, if connected.

COPYING DATA FROM A USB PEN DRIVE, COPY-PASTE FUNCTION

Merish 3 can manage files like a normal PC so you can transfer (move or copy) any file to any destination. For example, you can copy files from a USB pen drive to the Merish 3 internal memory, or vice versa. To do this, proceed as follows:

1. Insert the USB pen in the USB port on the right-hand side of the Merish 3 unit.
2. Touch the "Songs" key to open the associated window.
3. Touch the zoom icon on the "Songs" key, shown by four arrows, and then select the folder containing the files you want to copy or move.



4. Touch the "Copy Paste" key. Page 1.Select will be displayed.



5. Select the files and folders to copy or move on the Hard Disk. If you want to select all the contents, touch the "Select All" key. To select a file highlight it with the Alpha Dial and then press "Enter".

6. Press "Copy" to copy the selected files or folders (or "Cut" if you want to move them from their current location to a new destination).



7. The next page, 2.Paste, allows you to select the files target folder or to create a specific target folder with the "new Folder" key.

8. You can now choose the destination of the files by navigating with the Alpha Dial or touching the required peripheral devices or directories on the screen. To select the hard disk simply touch the HD icon.



9. Touch the "Paste" key to confirm transfer of the previously selected files.



When the operation is concluded you will have copied the contents of a drive or folder from one point to another in the mass storage media available and connected to Merish 3. The "Hard Disk" and "USB" icons can be selected alternately. When Merish 3 is connected to an external hard disk selecting the USB icon will display the disk contents.



FILE MANAGEMENT

FINDING AND PLAYING A SONG

As soon as you have uploaded a few songs to Merish 3 you can start playing them and browsing the archive.

1. Press SEARCH



2. Type the title of the song you want.



3. When the song has been found, press Play to play it.



The Merish 3 search engine searches indiscriminately for a title, artist or musical genre, if this information is included in the Database records of the saved files.

For example, if you type "Dance" Merish 3 will find all songs in the Dance genre (grouped under the specific sub-genre) or all songs with the word "Dance" in the title. You can browse through the search results using the Alpha Dial or the "Up" and "Down" keys.

FINDING A SONG AS "NEXT SONG" AND USING THE "GO TO" FUNCTION

To find the song you are looking for repeat the procedures outlined in the previous heading. You can do this even if the song is currently playing. Now let's set up a new song as "Next Song".

Once you find the required title press ENTER. The song will be inserted as Next Song and the title will be shown on the bottom bar of the display.



There are several ways of going to the next song:

1. Wait for the end of the current song, then press Play.
2. Press "GO TO" and Merish 3 will immediately mix the current song with the Next Song.
3. Select a marker in the next song and then press "GO TO". To select a marker touch the key.



The markers identify the various parts of a piece of music, typically Intro, Verse, Chorus, etc. With Merish 3 you can enter Markers, which are displayed while the Midi file is playing and can be used to move rapidly in the track currently playing.



If you activate the Wizard functions in the DJ page, Merish 3 will automatically control mixing between the current song and the next song in an optimal manner.

DJ FUNCTION

Merish 3 can mix Midi files and Mp3s continuously, with perfect musical synchronism. This is possible thanks to a sophisticated algorithm that analyses the backing tracks and chooses the best points at which to mix them, together with the Cross Fade curves and the BPM tempo. This function is active in "Wizard" mode on the DJ page.

1. Press the physical DJ key.
2. Touch Wizard to activate the wizard.

CREATING A PLAYLIST

Playlists are lists of songs to be played automatically in sequence by Merish 3. Playlists can function with Autoplay mode ON / OFF. With Autoplay ON, the songs will be played in automatic sequence without pause; with Autoplay OFF, at the end of each song Merish 3 pauses and will only proceed with the next song in the Playlist when you press PLAY.



Autoplay mode is selected in the PLAYLIST environment by touching the associated box, or from SETUP > PLAYLIST & CUE > AUTO PLAYLIST.



Touch "Playlist" to enter the Playlist environment. Here you can choose a previously created playlist and play it by pressing PLAY, or you can create a new playlist by pressing "NEW PLAYLIST".

1. Touch "New Playlist".
2. Type the title of the new playlist and touch "OK".
3. The Playlist edit page will appear on the screen.

3. Select "Short" if you want to execute only part of the song in automatic play mode.

During execution of a playlist you may not want to play the songs in full.

With "Short" active Merish 3 will automatically shorten the songs in accordance with the Short Time settings, which can be edited in SETUP > PLAYLIST & CUE.



4. You can now browse the archive of songs stored on Merish 3 using the Search functions and various controls such as the Alpha Dial. When you find a song to include in the new playlist press "Enter" and the title will appear in the upper window. Continue in this manner until you have completed the playlist.

5. You can now edit the playlist by touching the top of the page. You can delete a song or move it using the "Move" key.



Select the song in question, touch "Move" and turn the Alpha Dial. When you have positioned the song correctly, press "Enter".

6. Once you have finished creating the Playlist press ESC or Exit Edit.

The new playlist has now been created and is ready to play. If you delete or move one of the songs in the playlist in the Merish 3 internal memory, it will no longer be played and will be highlighted red in the playlist.

Playlists are stored in the Merish 3 internal memory. Songs should be copied from the USB pen drive if you want to include them in playlists.

The playlists of earlier versions of Merish (Plus, Basi and Merish 2) are compatible with Merish 3.

WRITING LYRICS AND MARKERS

MERISH 3 AND DATABASE RECORDS, META EVENTS

Merish 3 makes widespread use of Meta Events such as Markers, Full Title, Artist, and Musical genre.

Merish 3 also assures perfect management of songs that do not contain meta events and is capable of finding the required files rapidly using the Search function, using either just the filename or Song title as search keys.

Merish 3 can write any Meta Event into the files. From the Song Info window: access meta data by touching the **midi** or **mp3** icon in the left-hand column of the

“Songs” window. In this window, all the Meta events in the window can be written to a song:



WRITING AND SYNCHRONISING SONG LYRICS

With Merish 3 you can write or edit the Karaoke lyrics of a song. The lyrics can be synced with the music line by line. **IMPORTANT:** in this case the highlighting is not syllable by syllable but rather line by line.

The lyrics must be written on a PC in .TXT format and the lines must be a maximum of 40 characters in length. Ideally, write each line of the verse on a separate line, following the metric division of the song. Once you have finished writing the lyrics save the file in .TXT format on a USB drive so that you can transfer it to Merish 3. Now let's look at how to upload the musical section.

1. Select the song on which you want to insert the lyrics and upload it to the Merish 3 internal memory.
2. Press Edit > Edit Lyrics to open the lyrics write page.



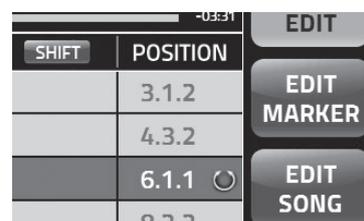
3. Now press the “import TXT” key.



4. The lyrics will be uploaded to Merish 3 and can now be synchronised.
 5. Press PLAY and then press the REC key whenever you want to synchronise a line of the lyrics.
- If you want to correct the lyrics simply touch the line in question and the Keyboard will appear on the screen for editing purposes.



To move the sync point simply touch the Position Box associated with the line of lyrics you want to move and then turn the Alpha Dial.



WRITING MARKERS

As with lyrics, you can insert markers in Midi files that currently have none.

Markers are always present in the Midi files produced by M-Live and available from www.songservice.it.

You can insert markers by selecting Edit > Edit Marker.

MARKERS	POSITION
Intro	3
Verse 1	7
Verse 2	34
Chorus 1	50
Bridge	66
Verse 3	75
Chorus 2	91
Instrumental	107
Coda	115

The lines on the left contain the marker name and the box on the right of the page shows the position of the marker in the song. Activate the edit function by touching the field to be edited: you can now write a new marker or move an existing marker to a different point in the song.

If the song contains no markers simply start it by pressing Play and then press the physical REC key whenever you want to enter a new Marker. At this point the backing track will pause and a window will open showing the available Markers. Choose the marker you require and press Enter, or save a completely new marker by selecting "New" at the bottom of the list of available markers. Now type the name of the new marker.

As in the Edit Lyrics function, here too you can edit the marker and change its position by touching the areas associated with this information.

RECORDING



Merish 3 is also a digital recording device with various possible uses:

1. Record a live performance and create an Mp3 to give to the musician or singer.
2. Record a performance to learn a song.
3. Create an Mp3 file from a Midi file format backing track.

MIDI TO MP3

4. Record instrumental or vocal tracks on a Midi or Mp3 backing track.

The record function is extremely intuitive and can be illustrated schematically as follows:

1. Upload the Midi or Mp3 backing tracks over which you want to sing or play to record the song.

2. Press the "REC" key.



3. Select the sources to be recorded in the Select Source box.
4. Set up the optional functions in the Recording Setup box.
5. Press the "REC" touch-key or physical key to start recording.

6. When the performance ends press "STOP REC" (or the physical "Rec" key). A window will appear prompting you to confirm that you wish to save the recording. The virtual keyboard is then displayed so you can write the title of the file, which will be saved in the Recorded Files folder. You can then listen to the file created by pressing "Play last Rec" or "Recorded Files" to open the folder and select the title from the list.

With Merish 3 you can record one or more of the audio sources available: the backing track, the Mic 1 and Mic 2 inputs, and the two Auxiliary Audio inputs. You can convert a Midi File to Mp3 format with the specific "Midi to Mp3" function.

You can enter a noise gate with the desired levels. The bit rate of the Mp3 file can be from 128 to 320 kb/s.

QUICK LIST

The “Quick List” is a list of songs that remains in the memory to be retrieved freely in various different contexts. In practice, the Quick List is an index in which we can temporarily store a repertory of special importance.

QUICK LIST

E.g.: you can enter a backing track from a USB pen drive supplied by a third party during a gig:

1. Plug in the USB pen drive.

2. Find the song and select it.

3. Press ADD TO QUICK.

Add to Quick

4. The chosen song will be copied to the Merish 3 internal memory and placed in the Quick List so that it can be retrieved at any time.

5. You can now remove the USB pen drive.

The Quick List is not a regular Playlist because the songs are only saved in the list and are not played in sequence but only when we want to retrieve them with Play or Enter.

EFFECTS

SAMPLES

Merish 3 has a series of sound effects that can be activated instantly from the EFX page. Effects can be integrated by copying new effects into the Effects folder.



To display the effects page touch the EFX icon:



On the left of the page there are 6 touch pads associated with 6 different sampled effects (Samples). The Merish 3 memory contains 60 Samples.

To assign a Sample to a Pad, proceed as follows:

1. Press the Sample Pad you want to use.

2. Press EDIT.

3. The Audio EFX window will open with the list of samples available.

4. Select the required sample. You can listen to the sample by pressing “Play”.

5. Press Enter to confirm your selection.

The new effect (Sample) is now assigned to the touch pad.

BRIDGES

A Bridge is a musical interval that can be used to break up a performance into segments.

These musical breaks are Samples that Merish 3 plays in a loop. There are 8 bridges in the Merish 3 internal memory. This archive can be updated by the user by copying Mp3 files into the Bridges folder.

You can choose a Bridge and assign it to one of the two available Pads as follows:

1. Press the Bridge Pad you want to use.

2. Press EDIT.

3. The Audio Bridge window will open with the list of Samples Bridges available.

4. Select the required sample. You can listen to the sample by pressing “Play”.

5. Press Enter to confirm your selection.

The new Bridge is now assigned to the touch pad.

VOICES

Select one of the 4 options to insert special effects on the Mic 1 input. Merish 3 has 4 vocal effects: Monster, Child,

Woman and Megaphone. These effects transform the reproduction of the Mic 1 singer's voice.

SAVE

The SAVE function is active whenever the Midi file currently playing is edited.



Whenever you edit the file you can save it to Merish 3 so that the next time the song in question is loaded the changes will be active. The EDIT function includes the "Restore" touchkey, which returns the Midi file to its original version, i.e. the first version uploaded to Merish 3.



The EDIT page also includes an UNDO key (select EDIT > + alongside the chosen track), which is used to return to the latest saved version of the Midi file and hence discard only the latest changes.



You can save all track changes, such as sound, volume, effects, key, etc. in a song. You can also save the selected font for the lyrics and the font size and colour, plus any background image that has been selected. You can save the song also with the microphone presets and a large number of other settings that can be accessed from the SETUP menu.

VIDEOS, CHORDS AND IMAGES

The TV video interface on Merish 3 offers the following possibilities:

1. Display chords using the chord name, tablature, or keyboard.



2. Choose the font or preset, the font size and the colour.
3. Insert a background image in .JPG or .BMP format.

These settings can be saved in the song you are currently playing.

CHORDS

To display the chords touch the “CHORDS” icon and then press the “TV” key to display the chords on the TV screen connected to Merish 3.



On the right hand side select the preferred “MODE”: touch the “Guitar” icon and the chords will be shown in guitar tablature.



Alternatively, touch the “Keyboard” icon to show the chords on a keyboard. The keyboard will be shown both on the Merish 3 display and on the TV.



If you touch the LCD key the chords will be shown also on the Merish 3 display.

BACKGROUND IMAGES

You can use background images for Karaoke on a TV screen. Select the .JPG / .BMP format images you want to upload as backgrounds for the lyrics. You can import images from a USB pen drive.

To set up Karaoke go to SETUP > VIDEO KARAOKE and choose the required settings. The page is split into two: the parameters for reproduction on the Merish 3 Display are shown on the left, while the parameters for the TV output are shown on the right.

To set up the background images:

1. Touch and scroll the pulldown menu to select the image to use as a background.
2. Press Preview to view the image on the display immediately.
3. If you want to import new images touch “NEW” and connect a USB pen drive containing the .JPGs you want to import to Merish 3.



You can retrieve the company presets, display a preview of the graphic settings, or set up background images in .JPG or .BMP format.

Each video setup can be saved and linked to a specific backing track.

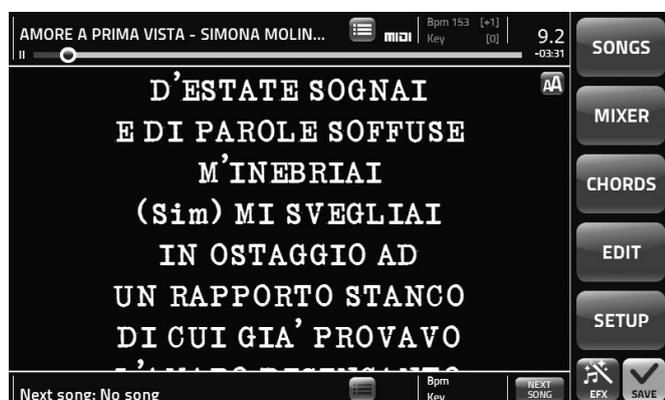
Choose the peripheral device containing the images you want to upload and use as backgrounds. You can select the Merish 3 hard disk or a USB pen by touching the icons on the left. If the image you want is on a USB pen drive, press the associated touchkey and find the image you require. Each backing track can use specific images.

If you want to delete one or more images select the image in question and touch the “Del” key.

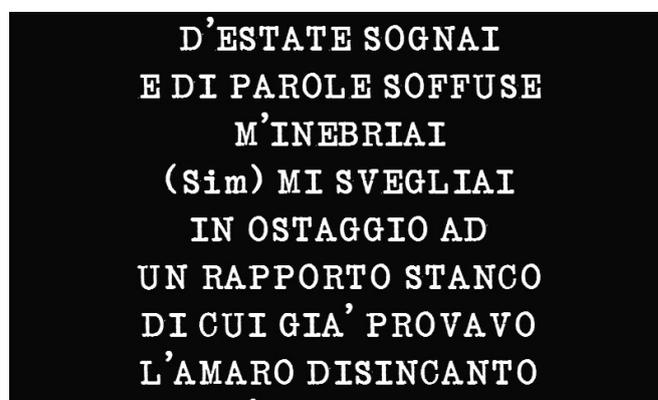
HANDY TIPS

DISPLAYING LYRICS FULL SCREEN

Touch the lyrics text to display them in full screen mode.



Touch the text again to exit full screen mode.



MOVING WITHIN A SONG

The song position bar shows the position in the Song that is currently playing. You can move along the position bar by touching the circular icon and moving it with the Alpha Dial.



Touch the Song Position pointer and turn the Alpha Dial to move it through the song. Press Enter to confirm and go immediately to the selected point.

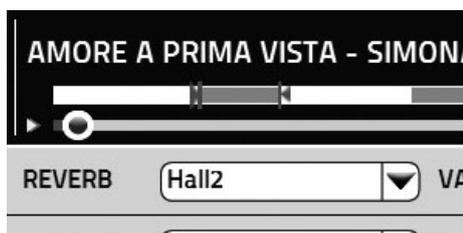
USING LEFT AND RIGHT POINTS IN THE EDIT ENVIRONMENT

In the Edit page you can display the contents of a track on the status bar in the top portion of the Merish 3 display.



In the Yellow portions the selected track contains notes and will therefore play.

Select the track you want to edit by touching the Name and then position the Left and Right points to delimit a portion of the song in order to play it in an automatic loop. The left and right limit points must be positioned in an interval that contains notes, i.e. indicated with the yellow status bar.



To position the Left and Right points:

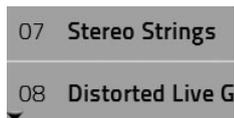
1. Touch "Left Point".
2. The Enter key illuminates and you can turn the Alpha Dial to position the left point.
3. Repeat the operation after having touched "Right point".
4. Press "Enter" to confirm.

Merish 3 will now repeat the selected portion of the song in a continuous loop.

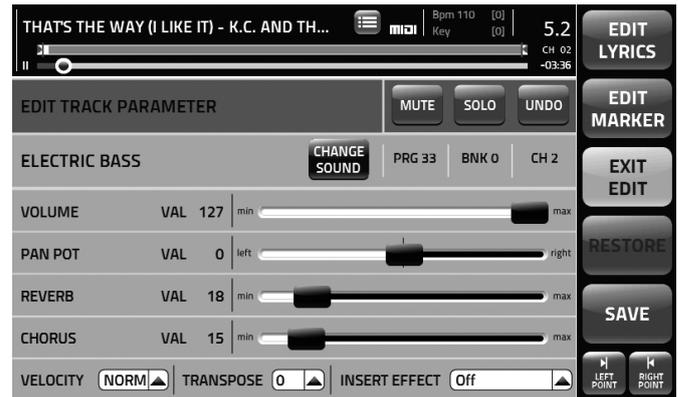
EDIT MIDI FILE

The Midi file edit page is split into two parts: the first part allows you to check all the tracks and the general effects setups, which are shown at the top of the screen.

There is a list of track names on the left-hand side of the page, complete with the sounds used, while the down arrow symbol will appear at the bottom left to allow you to scroll to the next page.



There is a symbol with the + icon to the right of the name to allow you to enter the Edit 2 page, where all the track parameters can be checked.



SPECIAL SOUNDS

Merish 3 contains several special sounds offering high quality effects, such as distorted guitars. These special sounds are obtained using the Insert Effect function and they appear in

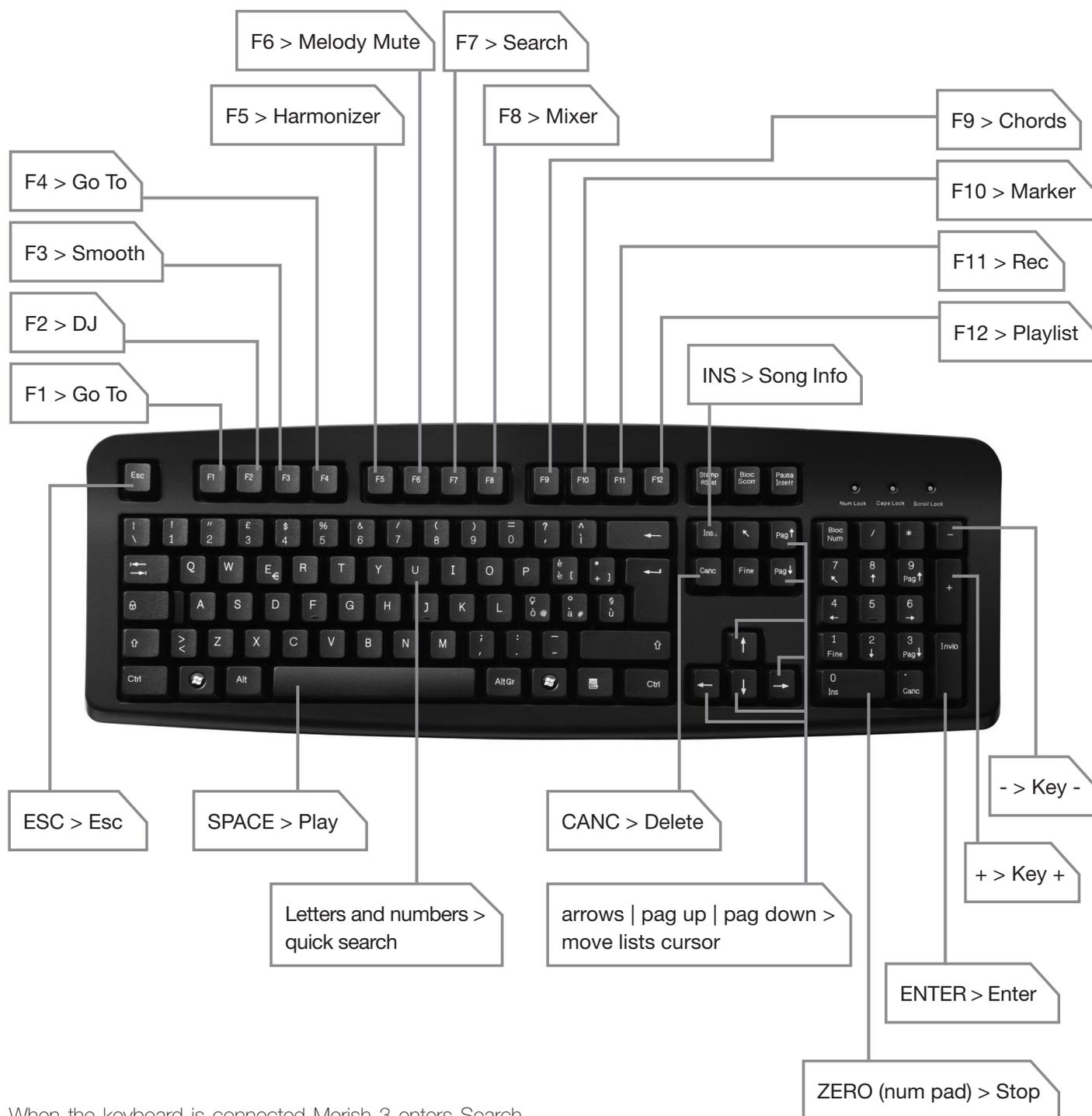
the table of sounds with the symbol (i). They are normally uploaded with the General Midi backing tracks, but they can be used and saved freely as needed.

OPERATING SYSTEM AND SOUNDS

Merish 3 is fully open to future updates. The operating system can be updated and new releases will be available for download from www.m-live.com in the

Merish 3 product page. Also the sounds can be updated and M-Live will announce any new updates released on <http://merish3.m-live.com/>

KEYBOARD MAP



When the keyboard is connected Merish 3 enters Search mode as soon as it reads the typed text string; for example, if you write “Love” the text string will appear at the bottom of the page. Now press “Enter” and Merish 3 will perform a search based on the string. This means there’s no need to press “Search” or “Songs” to browse the songs.



USING AN EXTERNAL USB KEYBOARD

Merish 3 can be used with a standard PC keyboard with a USB connection. The keyboard must be connected to the Keyboard port on the right-hand side of the unit. Once the keyboard has been connected it can control a large number of Merish 3’s functions, in accordance with the controls map shown here.

SOUNDS LIST

PC	CC00	SOUND NAME
001	0	Stereo Grand Piano
	2	Mono Grand
	98	Pianovox 2
	99	Piano & Strings
002	0	Stage Ac. Piano
	98	Pianovox 1
	99	Pianopad
003	0	El. Grand Piano
	98	Chip 80 Atmos
	99	Bass & Piano
004	0	Honky-Tonk
	99	Latin Piano
005	0	Stage El. Piano
	1	El. Piano
	8	Detuned El.Piano 1
	9	Soft El.Piano
	16	Fm+Sa El.Piano
	24	Wurl
	32	Hard Rodex
	40	Rodex
	48	60's El.Piano
	49	Rhodes heavy phaser (i)
	59	Rhodes light phaser (i)
	69	Rhodes Tremolo (i)
	99	Electric Mood
	006	0
8		Detuned El.Piano 3
9		Detuned El.Piano 2
16		Fm Soft El.Piano
24		Hard Fm Ep
32		El. Piano 3
99		Fm & Pad
007	0	Harpsichord
	8	Coupled Harpsi
	99	Harpsistrings
008	0	Clavinet 1
	1	Clavinet 2
	49	Claviphaser 1 (i)
	59	Claviphaser 2 (i)
009	0	Celesta
010	0	Glockenspiel
011	0	Music Box
012	0	Vibes
	1	Vibraphone
	49	Vibro Vibes (i)
013	0	Marimba
	8	Balafon
	49	Marimba Synth (i)
	59	Panned Marimba (i)

PC	CC00	SOUND NAME
014	0	Xylophone
015	0	Tubular Bells
	8	Church Bell
	9	Carillon
	9	Carillon
016	0	Santur
017	0	Drawbar Organ
	8	Detuned Organ 1
	9	Ham 109 Organ
	16	60's Organ
	24	Pedal Bass Organ
	32	Even Bar
018	0	Percussive Organ
	1	Organ 2
	8	Detuned Organ 2
	9	Jazz Organ
	16	Detuned Organ 3
	24	Jazz Vib Organ
	24	Jazz Vib Organ
019	0	Rock Organ
	1	Organ 3
	8	Rotary Organ Switch
	16	Rotary Organ Perc.
	24	Rotary Organ Fast
	99	Organizer
	99	Organizer
020	0	Church Organ Tutti
	1	Church Organ 1
	8	Church Organ 2
021	0	Reed Organ
022	0	Fisa Musette
	1	French Accordion
	8	Master Fisa
	16	Italian Accordion
	99	Folk Lead
023	0	Harmonica 1
	1	Harmonica 2
	8	Electric Harmonica
024	0	Bandoneon 1
	1	Bandoneon 2
	8	Bandoneon 3
025	0	Classic Guitar
	1	Nylon Live Guitar
	2	Nylon Guitar
	8	Ukulele
	9	Veloharmnix
026	0	Steel Live Guitar
	16	Nylon Gt.O
	1	Steel Guitar 1
	2	Steel Strummed Guitar
	3	Steel Live Guitar Rel.
	3	Steel Live Guitar Rel.

PC	CC00	SOUND NAME
	5	Steelstrings Guitar
	8	12-Strings Guitar 1
	9	12-Strings Guitar 2
	16	Mandolin
	24	Steel Guitar 2
	32	Steel Guitar 3
027	0	Jazz Guitar 1
	1	Jazz Guitar 2
	8	Hawaiian Guitar
	49	Guitar Vibrojazz (i)
028	0	Clean Live Guitar
	1	Clean Guitar 1
	8	Chorus Live Guitar
	16	Chorus Guitar
	24	Clean Guitar 2
	49	Clean Chorus Gtr (i)
029	0	Muted Guitar 1
	1	Muted Guitar 2
	8	Funk Guitar
	16	Chorus Funk
	24	Funky Okytar
	24	Funky Okytar
030	0	Overdrive LP Guitar
	2	Overdrive Guitar 1
	8	Overdrive Guitar 2
	49	OVD Solo Gtr (i)
031	0	Distorted Live Guitar
	1	Distorted Guitar 1
	2	Distorted Guitar 2
	3	Heavy Distorted Guitar
	8	Feedback Guitar 1
032	0	Distorted Harmonix
	16	Power Chords
	49	Dist Crunch Gtr (i)
033	0	Acoustic Live Bass
	1	Acoustic Bass
	2	Acoustic Bass Release
	2	Acoustic Bass Release
034	0	Electric Bass
	1	Fingered Bass 1
	2	Fingered Okybass
	8	Fingered Bass 2
	16	Dynamic Bass 1
	24	Dynamic Bass 2
	32	Liscibass
	32	Liscibass

PC	CC00	SOUND NAME
	49	Dist El.Bass (i)
035	0	Picked & Hybrid
	1	Picked Okybass
036	0	Fretless Bass
	1	Fretless Bass 2
037	0	Slap Live Bass
	8	Slap Bass 1
	16	Slap Bass 3
038	0	Slap Bass 2
039	0	Synth Bass 1
	1	Synth Okybass
	5	Reso Sh Bass
	6	Synth Bass 5
	8	Synth Bass 3
	9	Tb 303 Bass
	16	Tekno Bass 1
	24	Tekno Bass 2
	32	Sq 303 Flat
	40	Sq 303 Overdr.
	49	Syn Chorusbass 1 (i)
	59	Syn Chorusbass 2 (i)
040	0	Rubber Bass
	1	Synbass 201
	2	Modular Bass
	3	Seq Bass
	4	Analogic Bass
	5	Subsonic Bass
	6	Synth Bass 6
	8	Synth Bass 4
	9	Smooth Bass
	16	Synth Bass 2
	24	80's Bass
	32	Sh101 Bass 1
	40	Sh101 Bass 2
041	0	Violin Solo
	1	Violin
042	0	Viola Solo
	1	Viola
043	0	Cello Solo
	1	Cello
044	0	Double Bass
	1	Contrabass
045	0	Tremolo Strings
046	0	Pizzicatostrings
047	0	Orchestral Harp
	1	Mellow Harp
048	0	Timpani 1
	1	Timpani 2
049	0	Stereo Strings

PC	CC00	SOUND NAME
	2	Mono Strings
	8	Ensemble Orch.
	99	Jazzstrings
050	0	Slow St.Strings
	2	Slow Monostrings
051	0	Synth Strings 1
	8	Synth Strings 3
052	0	Synth Strings 2
	1	Synth Section
053	0	Choir St. Aahs
	1	Choir Aahs
	2	Choir Mono Aahs
	8	Real Choirs Vib
054	0	Choir St. Oohs
	1	Choir Oohs
055	0	Synvox Stereo
	1	Synvox
056	0	Orchestra Hit
	8	Impact Hit
	9	Philly Hit
057	0	Trumpet 1
	1	Classic Trumpet
	8	Flugel Horn
	9	Trumpet 2
	16	Mariachi
	24	Bright Trumpet
	32	Sharp Trumpets
	40	Trumpet 3
058	0	Trombone Solo
	1	Dark Bone
059	0	Tuba
060	0	Muted Trumpet Straight
	1	Muted Trumpet 1
	8	Muted Trumpet 2
061	0	Dyn.Frenchhorns
	1	French Horns
062	0	Brass Standard
	1	Octaver Live Brass
	2	Brass Section 1
	8	Brass Section 2
	16	Brass Fall
063	0	Super Synbrass
	1	Synth Brass 1
	8	Synth Brass 3
064	0	Synth Brass 2
	8	Synth Brass 4
065	0	Soprano Sax 1
	8	Soprano Sax 2
066	0	Alto Sax 1

PC	CC00	SOUND NAME
	1	Alto Okysax
	2	Liscio Sax
	8	Hyper Alto Sax
	9	Alto Sax 2
067	0	Tenor Sax
	8	Breathy Tenor
068	0	Baritone Sax 1
	1	Baritone Sax 2
069	0	Oboe
070	0	English Horn 1
	8	English Horn 2
071	0	Bassoon
	8	Bassoon 2
072	0	Clarinet
	8	Bass Clarinet
073	0	Piccolo
074	0	Flute Vibrato
	1	Flute
075	0	Recorder
076	0	Panflute Vibrato
	1	Panflute
	99	Pan Atmos
077	0	Bottle Blown
078	0	Shakuhaci
079	0	Whistle
080	0	Ocarina
081	0	Dance Square
	1	Square Synwave 1
	2	Square Lead Synth
	8	Sine Wave
	16	Square Synwave 2
082	0	Dance Saw
	1	Saw Synwave
	8	Saw Synwave 2
	16	Hands-Up! Synth
	24	Killer Techno Synth
	49	Solo Synflange (i)
	99	House Combo
083	0	Syn Calliope
084	0	Chiffer Lead
085	0	Dist.Charang
	1	Charang Gm
086	0	Solo Vox
087	0	5th Saw Synth
088	0	Bass & Lead
089	0	Fantasia Pad
	99	Saxopad
090	0	Warm Stereo Pad
	1	Air Stereo Pad

DRUM KITS

PC	CC00	SOUND NAME
	2	Warmono Pad
	3	Okywarm Pad
	8	Rotary Strings
	49	Flanging Pad (i)
	99	Solo & Pad
091	0	Poly Synth Pad
092	0	Space Voice Pad
093	0	Bowed Glass Pad
094	0	Metal Pad
095	0	Halo Pad
096	0	Sweeping Pad
	1	Okysweep Pad
	49	Sweepy Flange (i)
097	0	Ice Rain
098	0	Soundtrack
099	0	Crystal Pad
100	0	Atmosphere
101	0	Brightness
102	0	Goblin
103	0	Echo Drops
	8	Echo Pan
104	0	Star Theme
105	0	Sitar
106	0	Banjo
107	0	Shamisen
108	0	Koto
	8	Taisho Koto
109	0	Kalimba
110	0	Bagpipes
111	0	Fiddle
112	0	Shanai
113	0	Tinkle Bell
114	0	Agogo
115	0	Steel Drums
116	0	Woodblock
116	8	Castanets
117	0	Taiko
	8	Concert B-Drum
118	0	Melodic Toms 1
	8	Melodic Toms 2
119	0	Synth Drums
	8	Tr-808 Toms
	9	El.Percussions
120	0	Reverse Cymbal1
	1	Reverse Cymbal2
	2	White Noise Reverse
	3	White Noise Basic
	4	Turbo Jet
121	0	Gtr. Fret Noise

PC	CC00	SOUND NAME
	1	Gtr. Cut Noise
	2	String Slap
	5	Bass Slide
	6	Pick Scrape
122	0	Breath Noise
	1	Fl. Key Ckick
123	0	Seashore
	1	Rain
	2	Thunder
	3	Wind
	4	Stream
	5	Bubbles
124	0	Bird 1
	1	Dog
	2	Horse Gallop
	3	Bird 2
125	0	Telephone Ring1
	1	Telephone Ring2
	2	Door Creaking
	3	Door Closing
	4	Scratch
	5	Wind Chime 1
	6	Wind Chime 2
126	0	Helicopter
	1	Car Engine Start
	2	Car Breaking
	3	Car Pass
	4	Car Crash
	5	Police Siren
	6	Train
	7	Jet Takeoff
	8	Starship
	9	Burst Noise
127	0	Applause
	1	Laughing
	2	Screaming
	3	Punch
	4	Heart Beat
	5	Footstep
128	0	Gun Shot
	1	Machine Gun
	2	Laser Gun
	3	Explosion

PC	CC00	DRUM KIT NAME
1	0	Standard Merish
2	0	Standard 1
2	1	Standard 2
3	0	R&B 1
3	1	R&B 2
4	0	Hip-Hop 1
4	1	Rapper
4	2	Hip-Hop 2
5	0	Okyweb Style
6	0	Standard 3
7	0	Standard 4
8	0	Standard 5
9	0	Room Acoustic
10	0	Room Standard
11	0	Electroacoustic
12	0	80's mood
13	0	Hybrid
14	0	Vintage
14	1	70's Disco
15	0	Soul
17	0	Power Rock
18	0	Power Standard
19	0	Live Rock
25	0	Electronic 1
26	0	Tr-808 Boost
26	1	Tr-808 Standard
27	0	Dance 1
27	1	Dance 2
27	2	Dance 3
28	0	Techno
29	0	Pop Dance
30	0	Electronic 2
31	0	Electronic 3
32	0	Reggaeton
33	0	Jazz 1
34	0	Jazz 2
35	0	Jazz 3
41	0	Brush 1
42	0	Brush 2
49	0	Orchestra 1
49	1	Orchestra 2
50	0	Ethnic 1
51	0	Ethnic 2
54	0	All Bd & Sd
57	0	Sfx Set
128	0	Cm-64/32 Set

PERFORMANCES

MIDI	PERF. NAME	USB		TYPE
	PC	PC	BNK	
01	Grand Piano	001	0	single
02	Rock Piano	002	0	single
03	Piano & Strings	001	99	layer
04	Pianopad	002	99	layer
05	Pianovox 1	002	98	layer
06	Pianovox 2	001	98	layer
07	Bass & Piano	003	99	split
08	Honky-Tonky Piano	004	0	single
09	Latin Piano	004	99	layer
10	Electric Grand	003	0	single
11	Chip 80 Atmos	003	98	layer
12	Rodex	005	0	single
13	Electric Mood	005	99	layer
14	FM Piano	006	0	single
15	FM & Pad	006	99	layer
16	Harpsichord	007	0	single
17	Harpsistrings	007	99	single
18	Vibraphone	012	0	single
19	Balafon	013	8	single
20	Drawbar organ	017	0	single
21	60's Organ	017	16	single
22	Rock Organ	019	0	single
23	Organizer	019	99	split
24	Jazz Organ 1	018	0	single
25	Jazz Organ 2	018	1	single
26	Leslie Switch	019	8	single
27	Church Organ	020	0	single
28	Fisa Musette	022	0	single
29	Fisa Italiana	022	8	single
30	Bandoneon	024	0	single
31	Folk Lead	022	99	split
32	Harmonica	023	0	single
33	Nylon	025	0	single
34	Acustica	026	0	single
35	12-Strings	026	8	single
36	Jazz Guitar	027	0	single
37	Jazz & Strings	049	99	split
38	Clean Guitar 1	028	0	single
39	Clean Guitar 2	028	1	single
40	Clean Pad	028	99	layer
41	Hybrid Electric	035	0	single
42	Hybrid Muted	029	0	single
43	Rock Guitar	031	0	single
44	Overdrive	030	0	single
45	Bad Distorsion	085	0	single
46	Violin	041	0	single
47	Viola	042	0	single
48	Cello	043	0	single
49	Contrabass	044	0	single
50	Tremolo strings	045	0	single

MIDI	PERF. NAME	USB		TYPE
	PC	PC	BNK	
51	Pizzicato strings	046	0	single
52	Classic Harp	047	0	single
53	Strings	049	0	single
54	Orchestra	049	8	single
55	Vintage 1	051	0	single
56	Vintage 2	052	0	single
57	Chori Aahs	053	0	single
58	Choir Oohs	054	0	single
59	Vibrato Vox	053	8	single
60	Trumpet	057	0	single
61	Mariachi	057	16	single
62	Muted Trumpet	060	0	single
63	Trombone	058	0	single
64	Big Tuba	059	0	single
65	Brassband	062	0	single
66	Analogic Brass	063	0	single
67	French Horns	061	0	single
68	Soprano Sax	065	0	single
69	Sax Alto	066	0	single
70	Sax Folk	066	2	single
71	Tenor Sax	067	0	single
72	Clarinet	072	0	single
73	Oboe	069	0	single
74	Saxopad	089	99	split
75	Flute	074	0	single
76	Pan Flute	076	0	single
77	Pan Atmos	076	99	layer
78	Human Whistle	079	0	single
79	Square Solo	081	0	single
80	Housewaves	082	0	single
81	House combo	082	99	split
82	Saw Synth	082	1	single
83	Superlead	088	0	single
84	Killer Synth	082	16	single
85	Fantasy	089	0	single
86	Warmpad	090	0	single
87	Airpad	090	1	single
88	Space Voice Pad	092	0	single
89	Bowed Pad	093	0	single
90	Metal Pad	094	0	single
91	Voxpad	055	0	single
92	Solo & Pad	090	99	split
93	Polypad	091	0	single
94	Resopad	096	0	single
95	Soundtrack	098	0	single
96	Crystal Pad	099	0	single
97	Atmosphere	100	0	single
98	Brightpad	101	0	single
99	Banjo	106	0	single

EFFECTS

INSERT PRESET

Chorus
Flanger
Phaser
Tremolo
Auto Wha
Low Filter
Dist Rotary
Dist Delay
VO Drive
Crunch
Dyna Amp
R-Fier
Metal
Stack
Tweed

MIC MACRO PRESETS

Standard
Ballad
Vintage
Dance Rock

EFX VOICE PRESETS

Woman
Megaphone
Monster
Child

BRIDGE MUSIC / su CD

01	Loveshadow / Act Cool (Roman Holiday)	[3.47]
02	Zapac / Test Drive	[3.35]
03	Nyx / Undercover	[3.40]
04	Jazztunes / BeeKoo Mix	[4.13]
05	Loveshadow / Takin' Yo Time	[3.21]
06	Zapac / Put your hands up	[3.37]
07	Stefsax / Awel	[3.05]
08	George Ellinas / Hornet	[4.39]

SOUND FXs / su CD

AlarmClock	No! 1
Applaus1	No! 2
Applaus2	No! 3
Applaus3	NoSignal
Applaus4	Okay 1
Baby_Toy	Okay 2
BottlePop	PhoneDial
Bye Girl	Picture
Bye Long	Prot
Bye Sad	Rain
Carpenter	Ringtone
CityLife	Scissors
CoinFall	Sexygirl
Crowd1	Snoring1
Crowd2	Snoring2
DjScratch	Splash
DoorBell	Swoop
DoorCreak	Throat
Fax	Knock Knock
FooFoo	VibroCel
Hello Man	Vinyl 1
KnifeSharp	Vinyl 2
Laser	WaterCloset
Laugh 1	WaterGlass
Laugh 2	Whoosh
Laugh 3	WindChimes
Laugh 4	Woman Ahh
Laugh 5	Woo Hoo
Laugh 6	Wow_Girl
Mmhhh	YesLaugh

TECHNICAL SPECIFICATIONS

INPUTS - OUTPUTS

MIC x2 Microphone Input	Balanced combo (JACK, XLR) -35dB 1KOhms, Gain 0-35dB 48Vdc Phantom Power Selectable from Software
LINE IN x2 Stereo Line Input	1 x balanced stereo JACKS, -4dB
AUDIO OUT L-R Audio Outputs	2 x balanced stereo JACKS +4dBm
AUX OUT L-R Audio Outputs	2 x unbalanced stereo JACKS +4dBm
CLICK OUT Metronome reference output	1 x unbalanced stereo JACK 0dBm
PHONES Headphones output	Stereo mini-JACK 1W @ 8 Ohms 250mW @ 32 Ohms
AV OUT Audio / Video Output	Yellow RCA PAL / TV composite video

COMMUNICATION PORTS

MIDI IN MIDI THRU MIDI OUT	MIDI ports
USB PORT PC connection for the Internal HD	USB port (standard USB 2.0 High speed)
USB PORT PC connection to use Merish as an expander	USB port (standard USB 2.0 Full speed)
USB Keyboard	Port for USB keyboard (standard USB 2.0 High speed, max 500mA)
USB PEN-HD	Port for USB pen drive, external HD (standard USB 2.0 High speed, max 500mA)
FOOTSWITCH	Mono JACK Footswitch (N.O. type)

GENERAL SPECIFICATIONS

Frequency response	20Hz ... 20KHz \pm 3dB
Distortion (THD + noise)	<0.01% 20Hz ... 20KHz
Signal / Noise Ratio	-85dB
Power input	12V DC (+centr.) 2000mA
AC / DC power supply	Input 100-240V AC 50/60 Hz Output 12V DC 2000mA

DIMENSIONS & WEIGHT

Dimensions W x H x D	34.5 x 23 x 8
Weight	2.8 kg

NORMS

Complies with the electromagnetic compatibility directive 89/336/EEC

Complies with the CE marking directive 93/68/EEC

