

KAWAI MP 8 Version 2.15

Thanks for downloading the update version 2.15 for your Kawai MP 8.

IMPORTANT NOTE!

From the version 2.09 on it is possible to edit the internal 256 sounds. Because of this new structure it is necessary to reset (RESET ALL) the MP8 after finalizing the update procedure. In case of having important data stored in your MP8, save them before updating. After finalizing the update procedure you can transmit these data back into your MP8.

A detailed description about making a backup you will find in chapter "8.3.2. Dump All" in your MP8 owners manual.

1. Updating

You need a PC or MAC with a MIDI sequencer software and a MIDI interface or USB. Make sure that MIDI data can be sent to the correct MIDI OUTPUT. In many software programs you must first set the right MIDI Output first. If you don't know how to do it, please ask the maker of your software. You may also use the Windows MediaPlayer. Before using, please set the default MIDI device in the Control Panel to the proper MIDI Out, because MediaPlayer uses this default driver for playback. (Usually the Wavetable GS driver is default.) Via USB, please select the Windows driver "USB-Audio-Device". Open the first MIDI file (**mp8_vxxx.mid**) with this software and set the track MIDI channel to 1. Make sure that your software has no activated SYS-EX filters. When using MediaPlayer no setting are needed. (Hint: Cubase Version SX 1 or higher has problems in sending SYS-EX data and therefore cannot be used! Cubase VST32 etc. works.)

Step 1:

Decide to use USB or MIDI IN jack for the update.

Via MIDI IN:

Hold the buttons 6, 7 and 8 in the lower row and turn power on.

The display shows:

Flash Programing wait command

Via USB:

Hold the buttons 6, 7 and 8 in the upper row and turn power on.

The display shows:

Flash_Programing wait command

Step 2:

IMPORTANT:

1. Set the playback tempo of your sequencer to 70 BPM, because any higher tempo may cause data loss. When using MediaPlayer this is not needed.
2. Turn off your screen saver!
3. Never interrupt the transmission of data.

Step 3:

Start the playback. (MediaPlayer automatically starts after you loaded the MIDI file.) The MP8 display shows first ERASE and then "Data Packet" with a hex counter running. After the transmission "End of File" appears. The whole transmission may take a few minutes.

Step 4:

Turn off the MP8 and ON again. Done. To check the version number hold the button "Store" while power on until the display shows the version number. If something went wrong, just repeat the whole procedure.

2. Bugfixes in V2.15 compared to V2.14

- Change of the parameter ZoneTX Mute

If the system parameter ZoneTX Mute is set to ON, the MP 8 II doesn't send MIDI data via Zone 3 while turning on the instrument. Until the version 1.14 the MP 8 II was sending MIDI data of the current settings (i.e. controller data and program change data) via MIDI when turning on the MP 8 II. If ZoneTX Mute is set to OFF, the MP 8 II still sends the data as before.

- SysChMode now always ajustable

Up to now the System Channel Mode was only selectable if the Multi Timbre Mode was set to ON. With version 1.15 the System Channel Mode is also selectable when the Multi Timbre Mode is set to OFF.

3. Bugfixes in V2.14 compared to V2.13

- Damper resonance cut off

The damperresonance cut off phenomen in case of a polyphonic play and using the damper pedal was improved.

4. Modification in V2.13 compared to V2.11

- New parameter ZoneTX Mute

Each time if an external zone was activated (EXT oder BOTH), current settings were transmittet through MIDI (i.e. controller und program change commands), which sometimes was not welcome. The setting ON of the new parameter ZoneTX Mute prevents this automatically sending. The setting OFF still sends that kind of MIDI data.

5. Bugfixes in V2.11 compared to V2.10

- EXT ZONE sends MIDI data even though the setting is OFF

Sometimes the instrument sent MIDI data on external zones (EXT ZONE), even though the setting is OFF.

6. Bugfixes in V2.10 compared to V2.09

- SETUP content

The version 2.09 includes a slight mistake. The SETUPS 1-1-C und 1-1-D contained the sound Concert Grand 1 instead of Concert Grand 2.

7. Bugfixes in V2.10 compared to older versions than V2.09

- Drop out of tones while switching between SETUPS

While switching between SETUPS sometimes it could happen, that holding notes (by finger or by pedal) were cut. This could happen if a sound was played which was not a part of the new selected Setup.

- Automatic saving of of the Transposer value setting

The value setting of the transposer will now be automatically saved in system.

- EFX-optimizing of the zones 3 and 4

In several EFX-type settings of the zones 3 and 4 sometimes effect errors could occure.

- Improvement of pedal response

After turning on the instrument sometimes the pedal response of the damper pedal was delayed.

- Timing problems

Sometimes malfunctions regarding timing of metronome, pitch bender and modulation wheel could occure.

7. Modifications in V2.10 compared to older versions than V2.09

The new version includes some new functions of the model MP8 II.

The following pages will show you abstracts of the MP8 II owners manual. The new functions are marked.

The new version does not effect the sound quality and the characteristics of the key action in any way.

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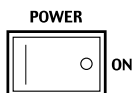
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2. Basic Operations

2.1 Getting Ready



Since the MP8II has no built-in speakers, you will need to connect a mixer, keyboard amplifier or headphones in order to listen.

Turn the MP8II on, using the POWER SWITCH on the rear panel.

It is recommended to turn the MP8II on before turning on any amplifiers in order to avoid switching noise.

What you need to know before starting:

Please read this part for a better understanding of the MP8II structure.

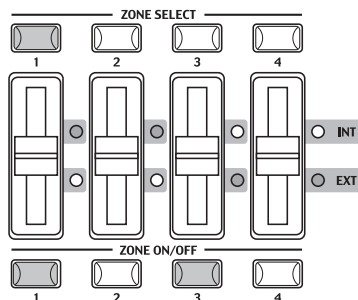
The MP8II's SOUND and SETUP modes are largely the same. The main difference between the two is that SETUP is used to recall stored SETUPS. Edits and changes can be made freely in either mode, using the 4 faders, 4 knobs and MENU functions, however edits made in SOUND mode will be lost when the power is turned OFF and must therefore be stored in SETUP mode.

In order to start from scratch, use the SOUND mode and press PIANO ONLY first.

In order to modify a SETUP, select the desired SETUP, perform any edits, and store the changes as a SETUP.

If selected sounds do not sound correct, it is possible that parameters (knobs etc.) were edited. To restore sounds to their default setting, use the PIANO ONLY function, then re-select the desired sound.

In Sound mode, the "1" in the display indicates that the zone 1 is currently selected.

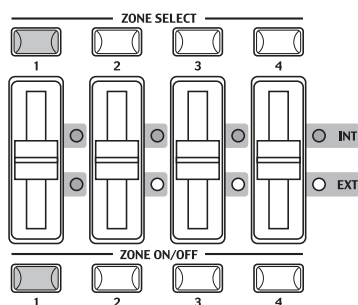


When the multitimbre is off, the default settings of the zones are as follows. It is recommended for simple MIDI transmit/receive use on stage etc. The default TXchannel is System Ch (see page45).

Zone 1	Internal	On	(Plays internal sound)
Zone 2	Internal	Off	(Muted)
Zone 3	External	On	(Plays external device)
Zone 4	External	Off	(Muted)

When the multitimbre is on, the default settings of the zones are as follows. It is recommended for recording/playback with PC or sequencer.

The default TXchannel is System Ch (see page45).



The system channel mode is Panel:

Zone 1	Both	On	(Plays internal sound & external device)
Zone 2	int	Off	(Muted)
Zone 3	int	Off	(Muted)
Zone 4	int	Off	(Muted)

The system channel mode is Normal:

Zone 1	Both	On	(Plays internal sound & external device)
Zone 2	Both	Off	(Muted)
Zone 3	Both	Off	(Muted)
Zone 4	Both	Off	(Muted)

The zone mode for each zone is indicated by the INT/EXT LED beside the faders. The zone status for each zone is indicated by the ZONE ON/OFF buttons. If the ZONE buttons is red, this zone is assigned to the entire keyrange of the MP8II. If the button is green, the key range for that zone is less than the entire key range. You can check the key range setting by holding the SELECT button for the zone for 1 second.

3. SW Button



The SW button is a programmable realtime switch which can be assigned to one of 8 different functions.

Press and hold the SW button. The display shows the currently assigned function. Press the SW button again to exit without changing the function.

SW TYPE/COMMON
1:Panel Lock

Use the VALUE buttons to change the function. The display will automatically return to SOUND or SETUP mode after you change the function.

This function can be stored using the STORE button. (See page43)

When the MENU function is displayed, the SW button works as an EXIT button.

3.1 Panel Lock

You can lock the panel operation to avoid unnecessary changes to the settings by accident.

When the SW button is lit Panel Lock is ON.

Panel Lock On: All the operations except for keyboard, wheels, pedals and SW button are locked. The display shows as follows while the panel is locked.

Panel Lock
>Press[SW]button

Panel Lock Off: Panel Lock is canceled.

3.2 Touch Curve

You can temporary turn on/off the Touch Curve for example to play organ sounds correctly.

Touch Curve On: The display briefly shows the selected Touch Curve in the SYSTEM and the Touch Curve becomes active. If the selected Touch Curve in the SYSTEM is Off, the Normal Touch Curve becomes active.

Touch Curve Off: The display briefly shows as follows and the Touch Curve becomes Off.

Touch Curve
Off

3.3 Rotary Slow/Fast

You can switch the speed of roter between slow and fast when the Rotary effect is in use.

When the SW button is lit: The display briefly shows as follows and the rotary speed changes to fast.

Rotary Speed
Fast

17. ROTARY 1	rate	slow/fast	wet balance
18. ROTARY 2	rate	slow/fast	drive
19. AUTO WAH	sense	0 -100 (%)	wet balance
20. PEDAL WAH	sense	0 -100 (%)	wet balance
21. ENHANCER	intensity	0 -100 (%)	send level
22. OVERDRIVE	drive	0 -100 (%)	wet balance

REVERB parameter list

	<u>REVERB Time</u>		<u>REVERB Depth</u>
1. HALL 1	rev.time	0.3 - 5.0S	send level
2. HALL 2	rev.time	0.3 - 5.0S	send level
3. STAGE 1	rev.time	0.3 - 3.0S	send level
4. STAGE 2	rev.time	0.3 - 3.0S	send level
5. ROOM 1	rev.time	0.3 - 3.0S	send level
6. ROOM 2	rev.time	0.3 - 3.0S	send level
7. PLATE	rev.time	0.3 - 3.0S	send level

Note:

When EFX/REVERB depth is set to 0 while the EFX/REVERB button is active, the EFX/REVERB button will blink to indicate that the EFX/REVERB is turned ON but the depth is set to 0.

EFX rate and REVERB time are effective to internal zone only.

If the selected zone is set to BOTH, changing the value for EFX depth or REVERB depth affects for both internal and external sections. If you want different settings for internal and external sections, first enter the edit mode by pressing the MENU button and press the EFFECT button. Now you can select internal or external zone with ZONE SELECT button. (See page33 for details.)

Quick Change Reverb Offset

Press and hold the EFFECT button. The EFFECT button starts blinking and the following screen for Reverb Offset (See page47) will be shown until the button is released.

Rev.Offset
 100%

This parameter is stored automatically when leaving the screen, there is no need to store the setting manually.

5.2 EQ (EQUALIZER)

The MP8II contains a four-band graphic equalizer to shape the overall tone of the sound. The EQ affects all zones at the same time. However, each SETUP can have its own EQ setting that affects the internal sounds only.

Be sure that the EQ button in the CONTROL KNOBS section is lit. If the EQ button is turned off, press it to turn it ON.

The CONTROL KNOBS are now active and assigned to the EQ parameters. Use the CONTROL KNOBS to change the current settings.

Each parameter of the EQ has an adjustable range from -12 to +12. A positive (+) value indicates amplification, or a boost of that frequency range. A negative (-) value indicates attenuation, or a cut of that frequency range.

Lo	Ml	Mh	Hi
+6	+5	+4	+2

Quick Change EQ Offset

Press and hold the EQ button. The EQ button starts blinking and the following screen for EQ Offset (see page47) will be shown until the button is released.

EQ Offset			
0	+2	-1	-1

This parameter is stored automatically when leaving the screen, there is no need to store the setting manually.

If EQ Offset is set to Off in System parameters, this page will not be displayed.

5.3 TONE MODIFY

The MP8II allows certain characteristics of the sounds to be custom tailored to suit a particular musical or playing style, or to create many variations and different types of sounds. TONE MODIFY settings can be done for each zone individually.

The following parameters are provided:

CUTOFF, ATTACK, DECAY and RELEASE.

Make sure that the TONE MODIFY button in the CONTROL KNOBS section is lit. If the TONE MODIFY button is turned off, press it to turn it ON.

The CONTROL KNOBS are now active and assigned to the Tone Modify parameters for the current sound.

Use the CONTROL KNOBS to change the current settings for the selected zone. Each parameter of the TONE MODIFY function has an adjustable range from -50 to +50.

CUT	ATK	DCY	RLS
+50	-50	+40	-20

6. MENU

The MENU buttons allow access to the edit parameters in the MP8II. This collection of settings together with other editable parameters can be stored as a SETUP. The MP8II provides 256 SETUPS, and all are user programmable.

A SETUP consists of four zones. Each zone can be set as Internal, External or Both individually. Inside each of the four zones, a multitude of features and effects can be programmed and combined together into one exciting SETUP. A total of 256 SETUPS may be programmed in this way.

The menu consists of Internal parameters, External parameters and Common parameters.

Common parameter affect all zones. If a zone is set as Both, both the Internal parameters and External parameters are available for the zone.

Use the MENU buttons to scroll through all the different parameters.

In SOUND mode, both the Int Zone parameters and the Common parameters without the inverse "S(Setup)" icon can be individually stored. (See page43)
The Int Zone parameters can be stored as a SOUND of the MP8II's 256 SOUNDS.
The Common parameters can be stored as the initial settings in SOUND mode.

Zone parameters (Int)

Mode
Sound Selection
Damper Reso. (Int Piano only)
String Reso. (Int Piano only)
KeyOff Effect (IntPiano only)
Voicing (Int Piano only)
Key Range Hi/Lo
Velocity Switch On/Off
Velocity Switch Value
Velocity Compression
Velocity Offset
Zone Transpose
Volume
Pan
Fine Tune
Damper Pedal On/Off/Hold
Footswitch On/Off
Expression Pedal On/Off
Modulation On/Off
Bender On/Off
Bender Range
Solo On/Off
Solo Mode

Zone parameters (Ext)

Mode
TX Channel
TX PRG # On/Off
PRG #
TX Bank On/Off
Bank Select MSB LSB
Keyboard On/Off
Key Range Hi/Lo
Velocity Switch On/Off
Velocity Switch Value
Velocity Compression
Velocity Offset
Zone Transpose
TX Volume On/Off
Volume
TX Controller On/Off
Pan
Fine Tune
Damper Pedal On/Off
Footswitch On/Off
Expression Pedal On/Off
Modulation On/Off
Bender On/Off
TX Bender Range On/Off
Bender Range
Solo On/Off
Solo Mode

Common parameters

Master Volume
Left Pedal Mode
M.Wheel CC#
Expression Pedal CC#
Footswitch CC#
Temperament
Stretch Tuning

Caution:

The edited settings will be erased when the power is turned off, or other sound is recalled. To save these settings, use the STORE procedure to save them as a SETUP. (See page43)

Addendum to the Owner's Manual

Ver1.20 Left Pedal Mode to Common parameter

Ver1.40 Keyboard On/Off parameter to External menu

Modulation Wheel Control Change Number to Common parameter

System Channel Mode to System parameter

Wheel Mode to System parameter

Page30... Change of Setup MENU parameters list

Zone parameters(Ext)

Mode

TX Channel

TX PRG# On/Off

PRG#

TX Bank On/Off

Bank Select MSB LSB

Keyboard On/Off (*Addition)

Key Range Hi/Lo

~

Common parameters

Master Volume

Left Pedal Mode (*Addition)

Modulation Wheel CC#(*Addition)

Expression Pedal CC#

Footswitch CC#

Temperament

Stretch Tuning

Page33... Insertion the explanation of Keyboard On/Off

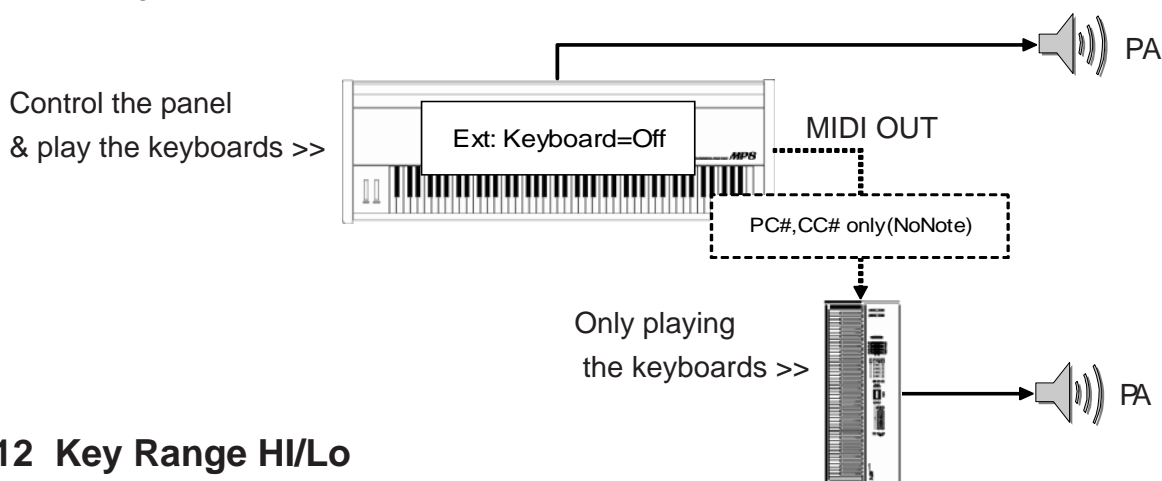
6.2.11 Keyboard On/Off (Ext only) (*Addition)

3 External
Keyboard = On

This parameter determines whether or not note data generated by playing the keys on the MP will be transmitted to an external MIDI device.

This parameter is useful when using 2 or more keyboards.

When set to OFF the MP will not send any note data to an external MIDI device but the MP can still be used to adjust other connected keyboards or MIDI devices using the knobs, wheels etc.



6.2.12 Key Range HI/Lo

~

Note2:

Velocity Switch = Loud

Velocity Switch Value = 1

In settings of above, It is possible to press a key very softly and hear no sound. This is the same as an acoustic piano.

6.3.7 Modulation Wheel Control Change Number (*Addition)

COMMON M.Wheel CC# = Mod

This parameter allows you to assign different Control Change Numbers to the Modulation Wheel.

Control Change numbers 0-119 can be assigned to the Modulation Wheel.

Note:

The following Control Change Numbers will affect the Internal sounds when they are assigned to the Modulation Wheel.

1. Modulation Wheel (MOD)
7. Volume (VOL)
10. Pan (PAN)
11. Expression Controller (EXP)
64. Damper Pedal (HLD)
66. Sostenuto (SST)
67. Soft Pedal (SFT)

6.3.8 Left Pedal Mode (*Addition)

COMMON Left Pedal = Soft

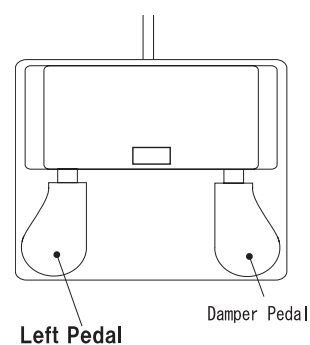
This parameter determines if the Left Pedal function is Soft or Sost(Sostenuto).

Soft: The Left pedal works as a Soft pedal. (Default)

When the Rotary EFX is in use, the Soft pedal changes function to a Fast/Slow Rotor switch.

Sost: The Left pedal works as a Sostenuto pedal.

When the Damper setting(See page36) is Off or Norm, the sostenuto pedal works with natural decay. When the Damper setting is Hold, the sostenuto pedal works with a steady sustain level.



6.3.9 Master Volume

COMMON Master Vol = 127

Adjusts the total volume of the SETUP.
The value changes from 0 to 127.

Page41... Change of SYSTEM MENU parameters list

[System Parameter]

System Channel

Init. SW

Touch

System Tune

Volume Slider Action

Local Control On/Off

Multitimbre On/Off

System Channel Mode (*Addition)

Receive Channel On/Off

LCD Contrast

LED Brightness

Out Mode

Foot SW

Wheel Mode (*Addition)

Page44... Insertion the explanation of System Channel Mode

8.2.7.1 System Channel Mode (*Addition)

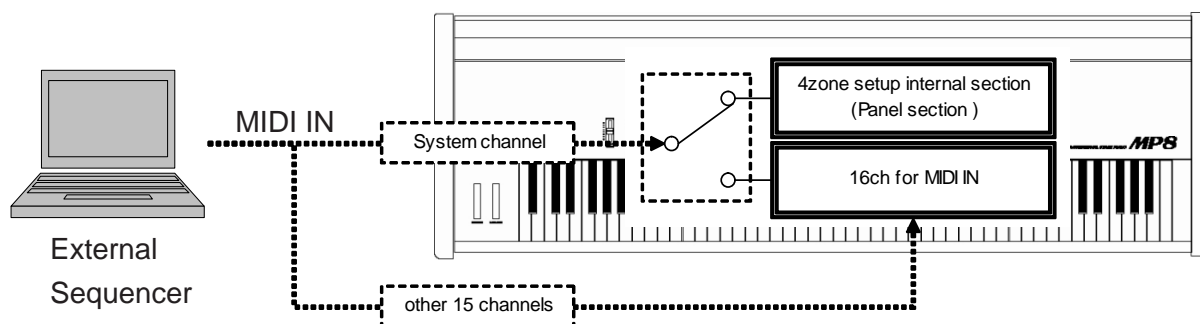
SYSTEM SysChMode=Panel

This parameter determines whether or not MIDI data received on the system channel will be sent to panel section (4zone setup internal section) when MultiTimbre is set to ON. When the Multi-Timbre Mode is set to Off, this page won't be displayed.

Panel: MIDI data received on the SystemCh is sent to panel section (Default).
Use this setting to play your sound and setup patches (including effect/reverb settings) via MIDI on the system channel in Multi -Timbral mode.

Normal: The system channel receives MIDI data as part of a simple 16 part Multi -Timbral set up. When Normal is selected Sound and setup patch settings will not be used via MIDI.

When the Multi-Timbral Mode is set to Off, this page won't be displayed.



Note1:

When “Multi-Timbre=On” and “SysCh mode=Panel”, power on settings of each zones are as follows.

Zone1 Both On (Plays internal sound&external device) The default TX channel is 1.

Zone2 Int Off (Muted)

Zone3 Int Off (Muted)

Zone4 Int Off (Muted)

Note2:

When “Multi-Timbre=On” and “SysCh mode=Panel”, The Receive Channel parameter in the System menu will display an asterisk for the MIDI channel assigned to the System. The asterisk indicates that MIDI data received on this channel will be sent to the Panel section.

SYSTEM
RX ch 1 * = on

Page45... Insertion the explanation of Wheel Mode

8.2.13 Wheel Mode (*Addition)

SYSTEM
wheelMode=Normal

This parameter determines whether or not the modulation wheel can be used to edit parameters like a value dial.

Normal: The wheel functions as a performance wheel and controls the CC controller that is assigned in the setup menu (Default).

Edit: The wheel is used to edit parameters.

The value won't change until the wheel reaches the position of the previously set the value. It can be used to edit the following parameters,

- *Setup parameters in the MENU except Zone mode and Sound

- *Setup name when stored

- *Function SW assign, EFX/REVERB type

- *Tempo of the metronome

Note:

When the Wheel Mode is set to “Edit”, the normal function of the wheel is ineffective. the wheel parameters show asterisk.

 Concert Grand Modulation =*On
--

COMMON M.WheelCC# =*Mod

MIDI Implementation Chart

[STAGE PIANO]
Model: KAWAI MP8

Date : August 2006
Version : 1. 1

Function		Tranmitt	Receive		Remarks
			MUltiOff(*5)	MultiOn	
Basic Channel	Default	1-16	1-16	1-16	
	Changed	1-16	1-16	1-16	
Mode	Default	3	3	3	
	Messages	3,4(M=1)	3,4(M=1)	3,4(M=1)	
	Altered	*****			
Note Number:	TRUE Voice	0-127 *****	0-127	0-127	
Velocity	NoteON	O1-127	O1-127	O1-127	
	NoteOFF	X	X	X	
AferTouch Touch	Key's	X			
	Ch's	O(*1)	X	X	
PitchBend		O	X	X	
Control Change	0,32	O	O	O	BankSelect
	1	O	O(*2)	O	Modulation
	6,38	O	O	O	DataEntry
	7	O	O	O	Volume
	10	O	O	O	Panpot
	11	O	O	O	Expression(EXP)
	64	O	O(*2,3)	O	Hold1(Damper)
	66	O	O(*2)	O	Sostenuto(FSW)
	67	O	O(*2,3)	O	Soft
	70,71	O	O	O	Sustain,Resonance
	72,73,74,75	O	O	O	RLS,ATK,CTF,DCY
	76,77,78	O	O	O	Vibrato(Rate,Depth,Delay)
	91	O	O	O	ReverbDepth
	92	O	O(*4)	X	RotarySpeed
	93	O	O	O	ChorusDepth
	94	O	O	X	EffectDepth
	98,99	O	O	O	NRPN LSB/MSB
	100,101	O	O	O	RPN LSB/MSB
	0-119	O(*1)	X	X	
Prog Change:	TRUE#	O *****	O 0-127	O 0-63	
System	Exclusive	O	O	O	
Common	:SongPosition	X	X	X	
	:SongSelect	X	X	X	
	:Tune	X	X	X	
System	:Clock	O	X	X	
RealTime	:Commands	O	X	X	
Aux Messages	:AllSoundOff	X	O	O	
	:ResetAllController	X	O	O	
	:LocalON/OFF	X	X	X	
	:AllNoteOff	X	O(123-127)	O(123-127)	
	:ActiveSense	X	O	O	
	:Reset	X	X	X	
Notes		*1: assigned to Modulation Wheel, EXP, FSW or Knob A-D *2: On/Off settings of each zones are set in Menu. *3: The effect is assigned to EXP/FSW in Menu (default effect is Expression/Sostenuto). *4: Only when rotary effect is selected. *5: a. In the case of MultiOn and SysChMode=Panel, Able to receive on system channel b. Control changes work to a selected zone only.(except controllers of [*2]) c. Knob A-D parameters are received only when it is assigned to Knob.			

"Mode1: OMNI ON, POLY" "Mode2: OMNI ON, MONO"

O: Yes

"Mode3: OMNI OFF, POLY" "Mode4: OMNI OFF, MONO"

X: No

2. Changes and bugfixes in V1.32 from V1.00

1. New tuning for Concert Grand 1

A new “stretched” tuning was programmed for the Concert Grand 1 sound. The sound became more compact and better sounding.

2. Sostenuto function for the left pedal

Now you can use the left pedal of the F-20 pedal unit as Sostenuto instead of Soft. You'll find the parameter in the COMMON section of the menu.

COMMON Left Pedal = Sost

3. Noise while switching sounds

If the effect “Enhancer” is used in a Setup, you could sometimes hear a switching noise.
This problem is solved.

4. Delayed sound (latency)

Some sound combinations or setting using high number of polyphony caused a delay of sound.
This problem is solved.

5. Sustain Pedal Error

Sometimes, when using the sustain pedal, some notes disappear even if the maximum polyphony isn't reached.
This problem is solved.

6. Strange noise after power on

Some instruments create a strange noise after power on. This is caused by a too short reset time during booting. This problem is solved.

7. MIDI Problems

- Transpose via MIDI IN created some problems.
 - MIDI controller 92 for Rotary Speed was not correct functioning.
- These problems are solved.