Roland

JUNO-X

Roland Cloud
SH-101 Model Expansion
User's Guide

Contents

Using the SH-101 Model Expansion

This manual explains how to use SH-101 Model Expansion with the JUNO-X.

There are two ways to use SH-101 Model Expansion.
In this manual, we explain how to do this via Roland Cloud Manager.

Using Roland Cloud Manager

On your computer, use the Roland Cloud Manager to download the SH-101 Model Expansion files from Roland Cloud.

Use a USB flash drive to import the files into the JUNO-X.

* Click **here** for more information on Roland Cloud.
* Click **here** to download the Roland Cloud Manager and Owner's Manual.

  * You must purchase a Lifetime Key for the data if you want to use Roland Cloud Manager.
  * Data that was downloaded with only a Roland Cloud membership can't be loaded into the JUNO-X.

Using Roland Cloud Connect

Use Roland Cloud Connect (sold separately) and your smartphone to import the SH-101 Model Expansion files into the JUNO-X.

* Click **here** for more information on Roland Cloud Connect.

  * If you are using Roland Cloud Connect (sold separately), you can use the SH-101 Model Expansion files even on a membership basis.

Updating the JUNO-X to the Latest Version

Before using the SH-101 Model Expansion, you must update the JUNO-X to the latest version.

Download the latest software from the website below, and follow the steps listed to update.

https://roland.cm/juno-x_dl

Downloading the SH-101 Model Expansion by Using Roland Cloud Manager

This explains how to use Roland Cloud Manager to download and install the SH-101 Model Expansion files.

Installing the Roland Cloud Manager

1. **On your computer, download Roland Cloud Manager from the Roland Cloud website.**

   Access the website listed below to download the appropriate installer for your computer.

   https://roland.cm/RolandCloudManager

2. **Double-click the installer you downloaded to begin the installation.**

   Proceed with the installation by following the directions shown onscreen.

   When you see a message saying that the installation was successful, click the [Close] or [Finish].

3. **Start the Roland Cloud Manager that you installed, and register your account.**

   Follow the onscreen instructions to register.

Downloading the SH-101 Model Expansion

1. **Start Roland Cloud Manager.**

2. **Click "Hardware" on the Menu tab.**

   A list of hardware appears.

3. **Click "JUNO-X".**

   A list of contents appears.

4. **Click SH-101 Model Expansion.**

   The SH-101 Model Expansion download page appears.

5. **Click "Get Lifetime Key" to purchase a Lifetime Key.**

6. **Once you've made your purchase, click "Library" on the Menu tab.**

   A list of the contents you have purchased appears.

7. **Select "SH-101 Model Expansion" and download.**

Installing the SH-101 Model Expansion

Saving Files To a USB Flash Drive

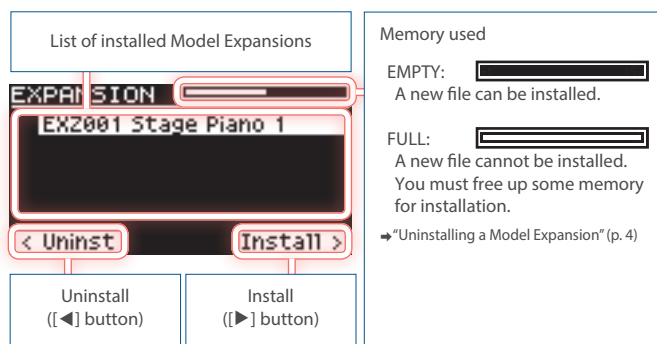* When using a USB flash drive for the first time, you must format it on the JUNO-X.

➡ "Formatting a USB Flash Drive" (Startup Guide)

1. **Connect the USB flash drive to your computer.**

2. **Save the file (EXM004_SH101.exz) to the root directory of the USB flash drive.**

3. **Disconnect the USB flash drive from your computer.**

Installing on the JUNO-X

1. **Insert the USB flash drive you prepared in "Saving Files To a USB Flash Drive" into the JUNO-X.**

2. **Turn the power of the JUNO-X on while holding down the [ENTER] (INIT) button.**
   The EXPANSION top screen appears.

List of installed Model Expansions	Memory used
EXPANSION	EMPTY: A new file can be installed.
EXZ001 Stage Piano 1	FULL: A new file cannot be installed. You must free up some memory for installation.
‹ Uninst Install ›	➡"Uninstalling a Model Expansion" (p. 4)
Uninstall ([◀] button) Install ([▶] button)	

3. **Press the [▶] button to go to the installation screen.**

4. **Use the [▲SELECT▼] knob to select "EXM004_SH101", and press the [ENTER] (INIT) button or the [▶] button.**
   A confirmation message appears.
   If you decide to cancel, press the [EXIT] button.

   MEMO
   The user license registration screen appears if you're installing for the first time.
   To continue installing, use the [▶] button to select "OK", and then press the [ENTER] (INIT) button.

5. **To execute, use the [- VALUE +] knob to select "OK", and then press the [ENTER] (INIT) button.**

6. **Turn the power off, then on again.**
   This allows you to use the SH-101 Model Expansion.

Error Messages

Indication	Action
Expansion Memory Full!	There is not enough memory available for installation. Follow the steps in "Uninstalling a Model Expansion" to free up the memory.
Incorrect License! Please Remove License	The SH-101 Model Expansion is currently linked to a different user license. Follow the steps in "Initializing Your User License" (p. 5) to initialize the user license.

Uninstalling a Model Expansion

If there is not enough free memory, you can uninstall Model Expansions that are already installed, and then install the SH-101 Model Expansion.

1. **Hold down the [ENTER] (INIT) button and turn the JUNO-X on.**
   The EXPANSION top screen appears.

2. **Use the [▲SELECT▼] knob to select the file to uninstall, and then press the [◀] button to go to the uninstallation screen.**
   A confirmation message appears.
   If you decide to cancel, press the [EXIT] button.

3. **To execute, use the [- VALUE +] knob to select "OK", and then press the [ENTER] (INIT) button.**

   MEMO
   The uninstall process works the same even if you've installed the Model Expansion with Roland Cloud Connect (WC-1).

User License

The Model Expansions are linked to the user license of the user who downloaded them.

You cannot import or install Model Expansions with different user licenses on a single JUNO-X.
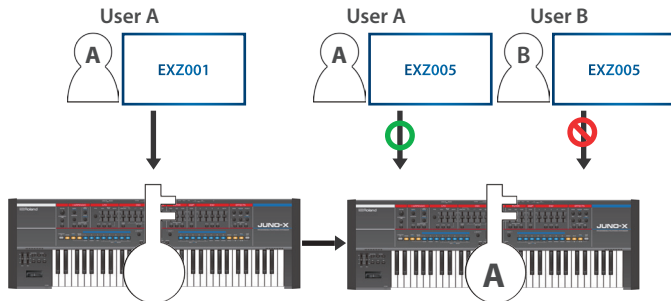
When you want to import or install a SH-101 Model Expansion that has a different user license from the Model Expansions already registered in the JUNO-X, follow the steps to initialize the user license.
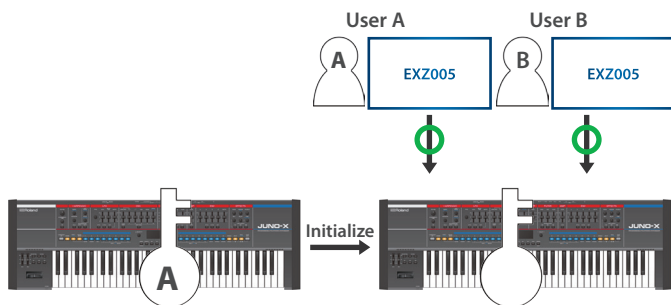
Initializing Your User License

By initializing the user license, you can install a SH-101 Model Expansion that you've downloaded with a new user license.

NOTE

- This deletes all Model Expansions that are already installed.
- Never turn off the power or remove the USB flash drive while the "Executing..." message is shown.

1. **Press the [MENU] (WRITE) button on the JUNO-X.**

2. **Use the [▲SELECT▼] knob to select "UTILITY", and press the [ENTER] (INIT) button.**

3. **Use the [▲SELECT▼] knob to select "FACTORY RESET", and then press the [ENTER] (INIT) button.**
   The FACTORY RESET screen appears.
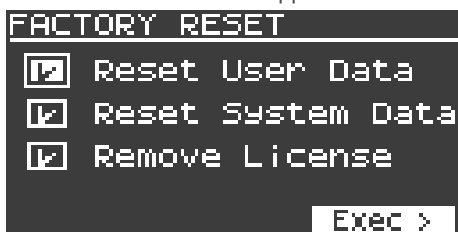
4. **Select the item using the [▲SELECT▼] knob, and using the [ENTER] (INIT) button to select or deselect the items, select only the "Remove License" check box.**

* If you have not imported or installed a Sound Pack, Wave Expansion or Model Expansion, the "Remove License" check box is not shown.

* If you select the other check boxes besides the "Remove License" check box and execute this operation, this initializes all of the corresponding data. See "Returning to the Factory Settings (Factory Reset)" in the JUNO-X Startup Guide for details.

5. **Press the [▶] button.**
   A confirmation message appears.
   If you decide to cancel, press the [EXIT] button.

6. **To execute, use the [- VALUE +] knob to select "OK", and then press the [ENTER] (INIT) button.**
   "Completed. Turn off power" is shown on the display.

7. **Turn the JUNO-X off.**
   This initializes the user license.

8. **Follow the steps in "Installing the SH-101 Model Expansion" (p. 4) to install the SH-101 Model Expansion on the JUNO-X.**

Error Messages

Indication	Action
USB Memory Not Ready!	The USB flash drive cannot be recognized. Make sure that your USB flash drive is correctly inserted into the JUNO-X.
Expansion File Not Found!	This is shown when there is no Expansion file in the USB flash drive. Make sure that the file has been correctly saved and that the file extension is ".exz".
Incorrect File!	This is shown when the selected file is not supported by the JUNO-X, or when the file is corrupted. Check which instruments support the original download, and try downloading again.
Incorrect License! Please Remove License	This is shown when the SH-101 Model Expansion is currently linked to a different user license. To install, provide a file that uses the same user license as the Expansion already installed, or initialize the user license.
Expansion Memory Full!	This is shown when there is not enough free memory to install an Expansion. In this case, you can uninstall Model Expansions that are already installed to free up memory.
It has already been installed	This is shown when the SH-101 Model Expansion has already been installed. You don't need to reinstall.

Selecting a Tone

1. **Press the [MODEL BANK] button.**
   The MODEL BANK top screen appears.

   Model/category

   Model name/category name

   ```
   MODEL SH-101
   SH001 Gimme Lead
   ```
   Tone name

   Tone number

   ```
            P-LFO        ENV
   PART1 ■□□□□ OSC □□□□
   ```
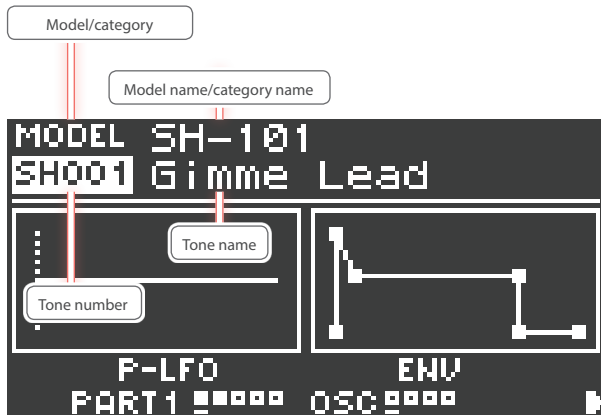
2. **Use the [▲SELECT▼] knob to move the cursor to the model name/category name.**
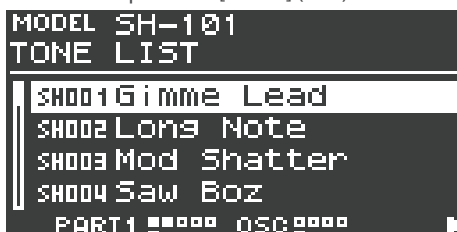
3. **Use the [- VALUE +] knob to select "SH-101".**

4. **Use the [▲SELECT▼] knob to move the cursor to the tone number.**

5. **Use the [- VALUE +] knob to select the tone.**

   MEMO

   Move the cursor to the model name/category name or the tone number and press the [ENTER] (INIT) button. The tone list appears.

   ```
   MODEL SH-101
   TONE LIST
   SH001 Gimme Lead
   SH002 Long Note
   SH003 Mod Shatter
   SH004 Saw Boz
      PART1 ■□□□□ OSC □□□□
   ```

6. **Press the [ENTER] (INIT) button to select the tone.**

Registering the SH-101 to a model bank

1. **Hold down the [MODEL BANK] button and press a model bank button ([1]–[16]).**

2. **Use the [▲SELECT▼] knob to move the cursor to "Attr".**

3. **Use the [- VALUE +] knob to select "MODEL".**

4. **Use the [▲SELECT▼] knob to select where to register the SH-101.**

5. **Use the [- VALUE +] knob to select "SH-101".**

6. **If you want to save the setting, execute the System Write operation.**

   6-1. **Hold down the [SHIFT] button and press the [MENU] (WRITE) button.**
   The WRITE MENU screen appears.

   6-2. **Use the [▲SELECT▼] knob to select "SYSTEM", and then press the [ENTER] (INIT) button.**

   6-3. **To execute, press the [ENTER] (INIT) button.**

Selecting a SH-101 tone using the model bank

1. **Press the [MODEL BANK] button.**
   The MODEL BANK top screen appears.
   Use the [1]–[16] buttons to switch to tone select mode.

2. **Select the model bank where you registered the SH-101 by pressing one of the [1]–[16] buttons.**
   The tones for the SH-101 are shown.
   You can use the [- VALUE +] knob to select a tone on this screen as well.

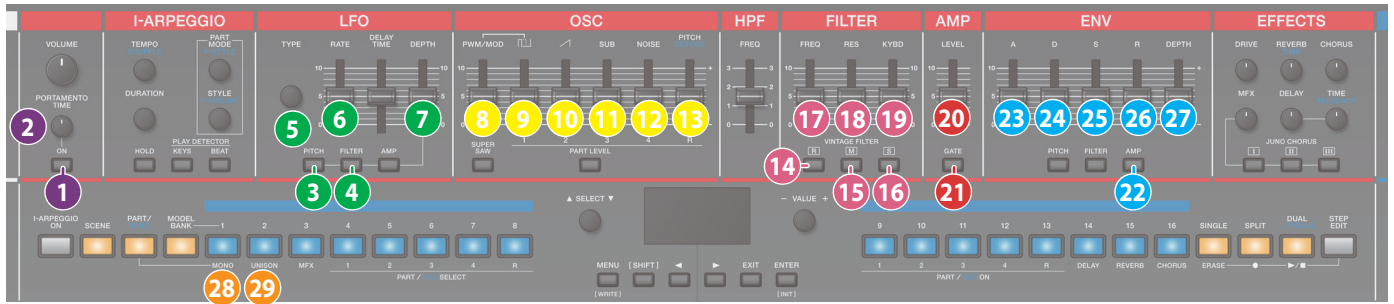3. **Press the [ENTER] (INIT) button.**
   A list of tones is shown.

4. **Use the [- VALUE +] knob to select the tone.**
   You can use the [▲SELECT▼] knob to select the tone quickly.

5. **Press the [ENTER] button.**
   The tone is now selected.

Parameter Guide

Controls on the JUNO-X and Their Associated Parameters

Section		Controller	Parameter	Destination or operation when used with the [SHIFT] button
PORTAMENTO	①	ON	Select PORTA ON	**SH-101 TONE EDIT:** PORTA MODE
	②	TIME	PORTA TIME	**SH-101 TONE EDIT:** PORTA TIME
LFO	③	PITCH	Select PITCH LFO	-
	④	FILTER	Select FILTER LFO	-
	⑤	TYPE	LFO WAVEFORM	**SH-101 TONE EDIT:** LFO WAVEFORM
	⑥	RATE	LFO RATE	**SH-101 TONE EDIT:** LFO RATE
	⑦	DEPTH	If "PITCH LFO" is selected OSC LFO MOD	**SH-101 TONE EDIT:** OSC LFO MOD
			If "FILTER LFO" is selected FILTER MOD	**SH-101 TONE EDIT:** FILTER MOD
OSC	⑧	PWM/MOD	PULSE WIDTH MOD	**SH-101 TONE EDIT:** PULSE WIDTH MOD
	⑨	⊓⊔	PW LEVEL	**SH-101 TONE EDIT:** PW LEVEL
	⑩	⟋	SAW LEVEL	**SH-101 TONE EDIT:** SAW LEVEL
	⑪	SUB	SUB OSC LEVEL	**SH-101 TONE EDIT:** SUB OSC LEVEL
	⑫	NOISE	NOISE LEVEL	**SH-101 TONE EDIT:** NOISE LEVEL
	⑬	PITCH	OSC RANGE	**SH-101 TONE EDIT:** OSC RANGE
FILTER	⑭	[R]	Select FILTER TYPE	**SH-101 TONE EDIT:** VINTAGE FLT TYPE
	⑮	[M]		
	⑯	[S]		
	⑰	FREQ	CUTOFF	**SH-101 TONE EDIT:** CUTOFF
	⑱	RES	RESONANCE	**SH-101 TONE EDIT:** RESONANCE
	⑲	KYBD	FLT KEY FOLLOW	**SH-101 TONE EDIT:** FLT KEY FOLLOW
AMP	⑳	GATE	Select G-AMP	**SH-101 TONE EDIT:** AMP ENV SEL
	㉑	LEVEL	AMP LEVEL	**SH-101 TONE EDIT:** AMP LEVEL

Section		Controller	Parameter	Destination or operation when used with the [SHIFT] button
ENV	㉒	AMP	Select ENV F&A	-
	㉓	A	ENV ATTACK	**SH-101 TONE EDIT:** ENV ATTACK
	㉔	D	ENV DECAY	**SH-101 TONE EDIT:** ENV DECAY
	㉕	S	ENV SUSTAIN	**SH-101 TONE EDIT:** ENV SUSTAIN
	㉖	R	ENV RELEASE	**SH-101 TONE EDIT:** ENV RELEASE
	㉗	DEPTH	FLT ENV DEPTH	**SH-101 TONE EDIT:** FLT ENV DEPTH
PART/FUNC	㉘	MONO	Select SOLO	**SH-101 TONE EDIT:** KEY MODE
	㉙	UNISON	Select UNISON	**SH-101 TONE EDIT:** KEY MODE

* For other parameters, see the "JUNO-X Parameter Guide" (PDF).

TONE Parameters

TONE COMMON
SH-101

Parameter	Value	Explanation	
(name)	Tone name		
Catg	CATEGORY	Selects the tone's category.	

TONE
SH-101

Parameter	Value	Explanation	CC#
LFO RATE	0–1023	Specifies the speed of the LFO cycle.	29
LFO WAVEFORM	TRI, SQR, S&H	Specifies the LFO waveform.	
OSC LFO MOD	0–100	Adjusts the depth at which the LFO modulates the OSC.	26
OSC RANGE	16', 8', 4', 2'	Specifies the oscillator's octave.	47
PULSE WIDTH MOD	0–127	PW MODE = MANUAL: Adjusts the pulse width value. / PW MODE = LFO/ENV: Adjusts the depth of modulation.	50
PW MODE		Specifies the pulse width mode.	
	LFO	The pulse width is affected by the LFO.	
	MANUAL	The pulse width is affected by PULSE WIDTH MOD.	
	ENV	The pulse width is affected by ENV.	
PW LEVEL	0–255	Adjusts the volume of the pulse wave.	16
SAW LEVEL	0–255	Adjusts the volume of the sawtooth wave.	17
SUB OSC LEVEL	0–255	Adjusts the volume of the sub oscillator.	18
SUB OSC		Specifies the SUB OSC type.	
	1OCT DN	One octave lower	
	2OCT DN1	Two octaves lower	
	2OCT DN2	Two octaves lower (small pulse width)	
NOISE LEVEL	0–255	Adjusts the noise volume.	19
VINTAGE FLT TYPE	R, M, S	Selects one of three response curves, each modeling the LPF of an analog synthesizer of the past.	108
CUTOFF	0–1023	Specifies the cutoff frequency of the low-pass filter. The frequency region above the cutoff frequency is cut, producing a more mellow tonal character.	3
RESONANCE	0–1023	Boosts the region of the filter's cutoff frequency. Higher values produce a stronger result, giving the sound a distinctively synthesizer-like character.	9
FLT ENV DEPTH	-1023–+1023	Adjusts the amount by which the cutoff frequency is controlled by the envelope.	81
FILTER MOD	0–100	Adjusts the amount by which the LFO modulates the cutoff frequency.	28
FLT KEY FOLLOW	0–200	Varies the filter's cutoff frequency according to the note played on the keyboard.	82
AMP ENV SEL	ENV F&A, G-AMP	Specifies whether the volume is controlled by the ENV (ENV F&A) or stays at a fixed volume as long as the key is held down (G-AMP).	
AMP LEVEL	0–127	Adjusts the volume of the tone.	110
ENV MODE		Specifies what causes the envelope to attack.	
	GATE+TRIG	Attack each time a key is pressed.	
	GATE	Attack when a key is pressed anew. No attack when playing legato.	
	LFO	Attack repeatedly at each cycle of the LFO as long as the key is held.	
ENV ATTACK	0–1023	Specifies the ENV Attack time.	89
ENV DECAY	0–1023	Specifies the ENV Decay time.	90
ENV SUSTAIN	0–1023	Specifies the ENV Sustain level.	102

Parameter	Value	Explanation	CC#
ENV RELEASE	0–1023	Specifies the ENV Release time.	103
BEND PITCH	0–1500	Specifies the range of pitch change produced by pitch bend.	
BEND FILTER	0–63	Specifies the range of filter change produced by pitch bend.	14
MODULATION LFO	0–63	Specifies the amount of LFO applied by modulation.	
PORTA MODE		Turns portamento on/off. If this is on, the pitch will change smoothly from one note to the next-played note.	
	OFF	Regardless of the portamento time setting, portamento is not applied.	
	ON	Portamento is always applied.	
	AUTO	Portamento is applied only when you play legato (pressing the next key before completely releasing the previously-played key). This lets you use your playing technique to control portamento on/off.	
PORTA TIME	0–1023	Adjusts the time over which the portamento pitch change occurs.	5
PORTA CRV		Specifies the pitch change curve for portamento.	
	ORIGINAL	Change according to the original curve of the model.	
	LINEAR	Change in a linear curve.	
	EXP1	Change in a non-linear curve (gentle slope).	
	EXP2	Change in a non-linear curve (steep slope).	
KEY MODE		Specifies how notes are sounded.	119
	POLY	Polyphonic	
	SOLO	Monophonic	
	UNISON	Unison	
	SL-UNISON	Monophonic unison	
AFT LFO	-63–+63	Sets how much aftertouch changes the LFO intensity . * **This is only enabled for products with aftertouch.**	
AFT FREQ	-63–+63	Sets how much aftertouch changes the low-pass filter intensity. * **This is only enabled for products with aftertouch.**	
AFT LEVEL	-63–+63	Sets how much aftertouch changes the tone volume. * **This is only enabled for products with aftertouch.**	
PITCH DRIFT	0–255	Adjusts the slight pitch drift that occurs when notes are played on an analog synthesizer.	
PARAM EXPANSION	OFF, ON	If this is "ON," the range of change for LFO RATE, CUTOFF, RESONANCE, and FILTER ENV DEPTH is wider than on the original model.	
CONDITION	0–100	Simulates the changes that occur as a unit ages.	

Sound List

Tone

SH-101

No.	Name	Category	MSB	LSB	PC
SH001	Gimme Lead	34:Synth Lead	97	70	1
SH002	Long Note	34:Synth Lead	97	70	2
SH003	Mod Shatter	34:Synth Lead	97	70	3
SH004	Saw Boz	34:Synth Lead	97	70	4
SH005	Fireflies	34:Synth Lead	97	70	5
SH006	T-Holiday	34:Synth Lead	97	70	6
SH007	Lazor Boy	34:Synth Lead	97	70	7
SH008	Throttle Lust	34:Synth Lead	97	70	8
SH009	Lizard King	34:Synth Lead	97	70	9
SH010	Blisters	34:Synth Lead	97	70	10
SH011	Pulse Leader	34:Synth Lead	97	70	11
SH012	Solo Sweet	34:Synth Lead	97	70	12
SH013	Porta Saw Lead	34:Synth Lead	97	70	13
SH014	PW+SubOSC Ld	34:Synth Lead	97	70	14
SH015	Porta Sqr Lead	34:Synth Lead	97	70	15
SH016	Sqr Atk Lead	34:Synth Lead	97	70	16
SH017	Calc Lead	34:Synth Lead	97	70	17
SH018	PWM LFO Lead	34:Synth Lead	97	70	18
SH019	PWM Env Lead 1	34:Synth Lead	97	70	19
SH020	PWM Env Lead 2	34:Synth Lead	97	70	20
SH021	Reso PW+Saw Ld	34:Synth Lead	97	70	21
SH022	Chiptune Lead	34:Synth Lead	97	70	22
SH023	Saw Flutter Ld	34:Synth Lead	97	70	23
SH024	Bit Crusher Lead	34:Synth Lead	97	70	24
SH025	Oct Bass	21:Synth Bass	97	70	25
SH026	Le Bass	21:Synth Bass	97	70	26
SH027	Cone Pleaser	21:Synth Bass	97	70	27
SH028	THAbass	21:Synth Bass	97	70	28
SH029	Reester Bass	21:Synth Bass	97	70	29
SH030	PWM PortaDrone	21:Synth Bass	97	70	30
SH031	Shlob Bass	21:Synth Bass	97	70	31
SH032	Choice Bass	21:Synth Bass	97	70	32
SH033	Shorty Enhancer	21:Synth Bass	97	70	33
SH034	Filter Env Bs 1	21:Synth Bass	97	70	34
SH035	PW+Saw Bass	21:Synth Bass	97	70	35
SH036	Slow FltEnv Bass	21:Synth Bass	97	70	36
SH037	Noise Bass	21:Synth Bass	97	70	37
SH038	Reso Bass	21:Synth Bass	97	70	38
SH039	Long Reso Bass	21:Synth Bass	97	70	39
SH040	Reso Sqr+Saw Bs	21:Synth Bass	97	70	40
SH041	Organ Bass	21:Synth Bass	97	70	41
SH042	Filter Env Bs 2	21:Synth Bass	97	70	42
SH043	Dark Bass	21:Synth Bass	97	70	43
SH044	SubOSC Soft Bass	21:Synth Bass	97	70	44
SH045	Delta Bass	21:Synth Bass	97	70	45
SH046	Punisher	21:Synth Bass	97	70	46
SH047	Ye Olde 101	21:Synth Bass	97	70	47
SH048	Porta Bass	21:Synth Bass	97	70	48
SH049	Seq Bass	21:Synth Bass	97	70	49
SH050	Reso Seq Bs	21:Synth Bass	97	70	50
SH051	Flanger Seq Bs	21:Synth Bass	97	70	51
SH052	Phaser Seq Bs	21:Synth Bass	97	70	52
SH053	Heady Flange	40:Synth Seq/Pop	97	70	53
SH054	Tape 101	40:Synth Seq/Pop	97	70	54
SH055	Moon Worm	42:Pulsating	97	70	55
SH056	Disto Shorty	40:Synth Seq/Pop	97	70	56
SH057	True Pluck	40:Synth Seq/Pop	97	70	57
SH058	Sqr Seq SH	40:Synth Seq/Pop	97	70	58
SH059	Reso Sqr Seq	40:Synth Seq/Pop	97	70	59

No.	Name	Category	MSB	LSB	PC
SH060	PWM Pluck	40:Synth Seq/Pop	97	70	60
SH061	3Tap Dly Seq	40:Synth Seq/Pop	97	70	61
SH062	MultiTap Dly Seq	40:Synth Seq/Pop	97	70	62
SH063	Reso Bell	40:Synth Seq/Pop	97	70	63
SH064	This Old Game	36:Synth Pad/Str	97	70	64
SH065	Main Pull SH	36:Synth Pad/Str	97	70	65
SH066	Poly 101 1	36:Synth Pad/Str	97	70	66
SH067	Shuno Pad	36:Synth Pad/Str	97	70	67
SH068	Poly-101 2	36:Synth Pad/Str	97	70	68
SH069	Sharimba	36:Synth Pad/Str	97	70	69
SH070	Porto Bells	38:Synth PolyKey	97	70	70
SH071	Echo Pluck	38:Synth PolyKey	97	70	71
SH072	Shorty /Mod	38:Synth PolyKey	97	70	72
SH073	Suggestive...	38:Synth PolyKey	97	70	73
SH074	Star Message	42:Pulsating	97	70	74
SH075	rAnDOm Pads	42:Pulsating	97	70	75
SH076	Side Repeater	42:Pulsating	97	70	76
SH077	LFO 1/4 Trancer	42:Pulsating	97	70	77
SH078	Afterthought	42:Pulsating	97	70	78
SH079	Retro Cycle	42:Pulsating	97	70	79
SH080	Pulse Pad	42:Pulsating	97	70	80
SH081	Buzz Shorty	42:Pulsating	97	70	81
SH082	R2 Wheel	39:Synth FX	97	70	82
SH083	SelfOSC Kick 1	39:Synth FX	97	70	83
SH084	SelfOSC Kick 2	39:Synth FX	97	70	84
SH085	SelfOSC DistKick	39:Synth FX	97	70	85
SH086	SelfOSC Zap	39:Synth FX	97	70	86
SH087	SelfOSC Perc	39:Synth FX	97	70	87
SH088	SelfOSC LFO Perc	39:Synth FX	97	70	88
SH089	SelfOSC Sweep	39:Synth FX	97	70	89
SH090	SelfOSC Tone	39:Synth FX	97	70	90
SH091	SelfOSC Rnd FX	39:Synth FX	97	70	91
SH092	Noise Hit 1	39:Synth FX	97	70	92
SH093	Noise Hit 2	39:Synth FX	97	70	93
SH094	Noise Percussion	39:Synth FX	97	70	94
SH095	Sonar Noise	39:Synth FX	97	70	95
SH096	PhaserNoise /Mod	39:Synth FX	97	70	96
SH097	Solo Sweet MG	34:Synth Lead	97	70	97
SH098	Gimme Lead 2	34:Synth Lead	97	70	98
SH099	Choice Lead	34:Synth Lead	97	70	99
SH100	Shuno Bass	21:Synth Bass	97	70	100
SH101	Simple Pad	36:Synth Pad/Str	97	70	101
SH102	Pulse Pad-X	42:Pulsating	97	70	102

MIDI Parameter Address Map

For details, refer to "3. Parameter Address Map" in the "JUNO-X MIDI Implementation".