

JUNO-X

Roland Cloud
JUPITER-8 Model Expansion
User's Guide

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Using the JUPITER-8 Model Expansion

This manual explains how to use JUPITER-8 Model Expansion with the JUNO-X.

There are two ways to use JUPITER-8 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 JUPITER-8 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 JUPITER-8 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 JUPITER-8 Model Expansion files even on a membership basis.

Updating the JUNO-X to the Latest Version

Before using the JUPITER-8 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 JUPITER-8 Model Expansion by Using Roland Cloud Manager

This explains how to use Roland Cloud Manager to download and install the JUPITER-8 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 JUPITER-8 Model Expansion

1. **Launch Roland Cloud Manager.**

2. **Click "Hardware Instruments" (Hardware) on the menu tab.**

   A list of hardware group appears at the top of the screen.

3. **On the hardware group tab, click "Synthesizers".**

   A list of hardware appears on the left side of the screen.

4. **Click on "JUNO-X".**

   The contents list appears.

5. **Click the (Add to cart) icon for JUPITER-8 Model Expansion.**

   This adds the contents to your cart.

6. **Click the (Move to cart) button at the top right-hand part of the screen.**

   The cart screen appears.

7. **Check the contents onscreen, and click "Proceed to checkout".**

   A payment screen appears in your Web browser. Proceed to payment, and close your Web browser when you're finished.

8. **Return to the Roland Cloud Manager screen and click "Accept" in the "Purchase Complete" dialog box. This closes the message.**

9. **Click the (Download) icon for the contents you wish to download.**

   A dialog box for specifying the download destination folder appears.

10. Specify the folder to which you want to download the contents, and close the dialog box.

The content files are downloaded into the folder that you specified on your computer.

Installing the JUPITER-8 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 (EXM001_JUPITER8.exz) to the root directory of the USB flash drive.

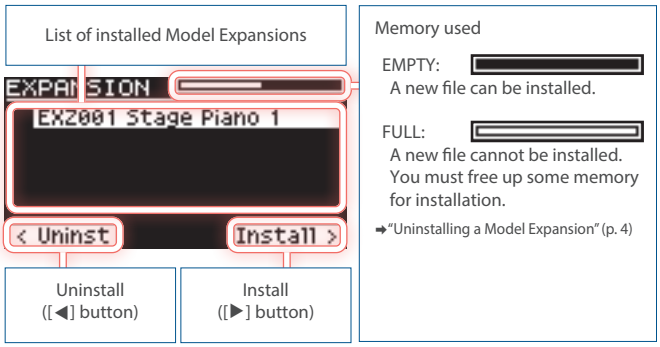
3. Disconnect the USB flash drive from your computer.

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.



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

4. Use the [▲SELECT▼] knob to select "EXM001_JUPITER8", 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 JUPITER-8 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 JUPITER-8 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 JUPITER-8 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.

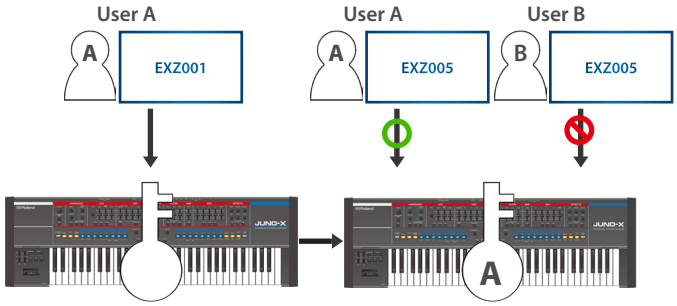
MEMO

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

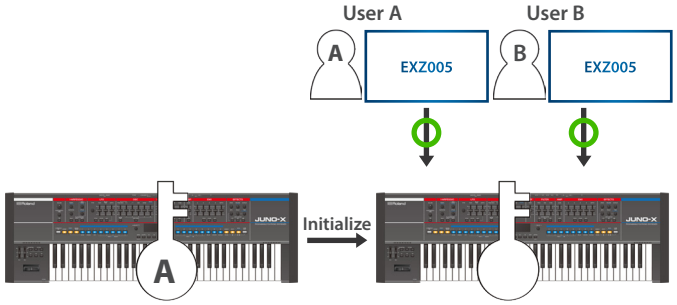
User License

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 JUPITER-8 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 JUPITER-8 Model Expansion that you've downloaded with a new user license.

NOTE

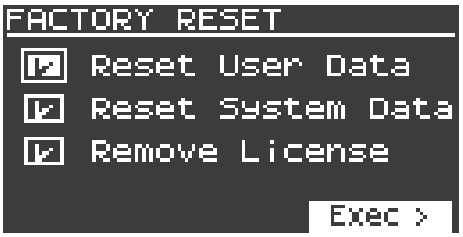
- This deletes all Model Expansions that are already installed.
- Never turn off the power or remove the USB flash drive while the "Executing..." message is shown.

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

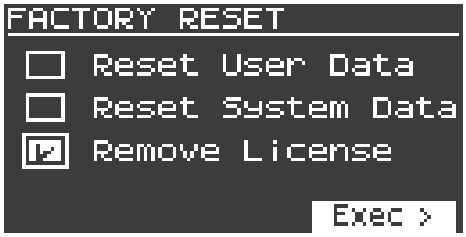
2. Use the [▲SELECT▼] knob to select "UTILITY", and press the [ENTER] (INIT) button.

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.

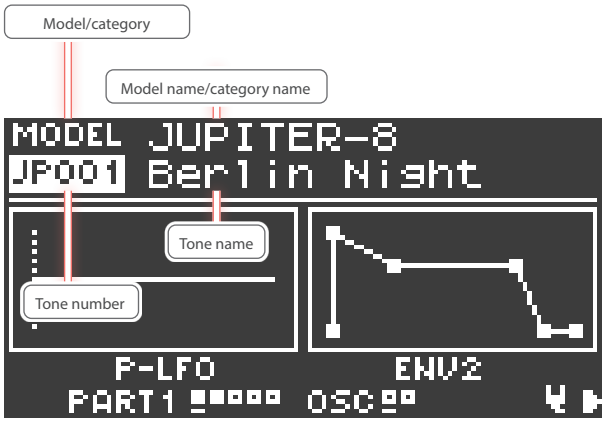
8. Follow the steps in "Installing the JUPITER-8 Model Expansion" (p. 4) to install the JUPITER-8 Model Expansion on the JUNO-X.

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 JUPITER-8 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 JUPITER-8 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.



2. **Use the [▲SELECT▼] knob to move the cursor to the model name/category name.**
3. **Use the [- VALUE +] knob to select "JUPITER-8".**
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.



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

Registering the JUPITER-8 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 JUPITER-8.**
5. **Use the [- VALUE +] knob to select "JUPITER-8".**
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.

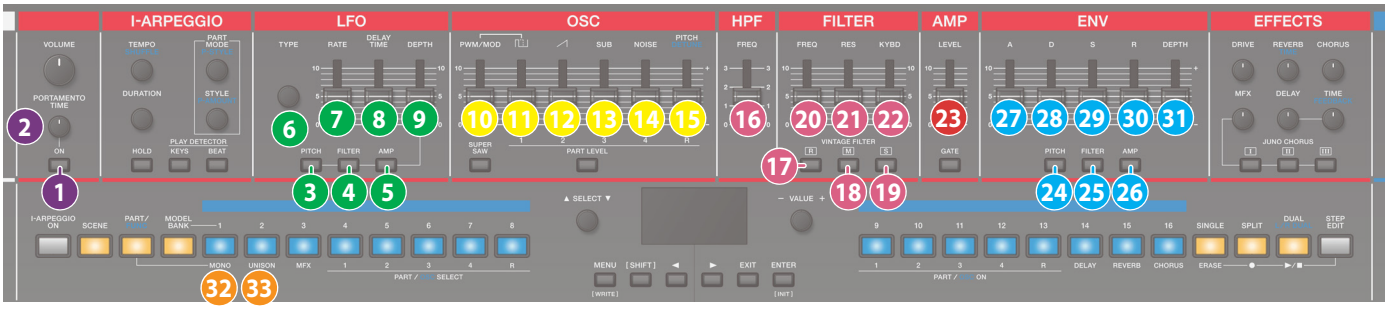
   6-2. **Use the [▲SELECT▼] knob to select "SYSTEM", and then press the [ENTER] (INIT) button.**

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

Selecting a JUPITER-8 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 JUPITER-8 by pressing one of the [1]–[16] buttons.**
   The tones for the JUPITER-8 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.

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	**JUPITER-8 TONE EDIT:** PORTA MODE
	2 TIME	PORTA TIME	**JUPITER-8 TONE EDIT:** PORTA TIME
LFO	3 PITCH	Select PITCH LFO	-
	4 FILTER	Select FILTER LFO	-
	5 AMP	Select AMP LFO	-
	6 TYPE	LFO WAVEFORM	**JUPITER-8 TONE EDIT:** LFO WAVEFORM
	7 RATE	LFO RATE	**JUPITER-8 TONE EDIT:** LFO RATE
	8 DELAY TIME	LFO DELAY TIME	**JUPITER-8 TONE EDIT:** LFO DELAY TIME
	9 DEPTH	If "PITCH LFO" is selected: LFO MOD	**JUPITER-8 TONE EDIT:** LFO MOD
		If "FILTER LFO" is selected: FILTER MOD	**JUPITER-8 TONE EDIT:** FILTER MOD
		If "AMP LFO" is selected: AMP MOD-STEP	**JUPITER-8 TONE EDIT:** AMP MOD-STEP
OSC	10 PWM/MOD	PULSE WIDTH MOD	**JUPITER-8 TONE EDIT:** PULSE WIDTH MOD
	11 ⊓⊔	OSC1 LEVEL	**JUPITER-8 TONE EDIT:** OSC1 LEVEL
	12 ◿	OSC2 LEVEL	**JUPITER-8 TONE EDIT:** OSC2 LEVEL
	13 SUB	CROSS MOD	**JUPITER-8 TONE EDIT:** CROSS MOD
	14 NOISE	OSC2 FINE TUNE	**JUPITER-8 TONE EDIT:** OSC2 FINE TUNE
	15 PITCH	OSC1 RANGE	**JUPITER-8 TONE EDIT:** OSC1 RANGE
HPF	16 FREQ	HPF	**JUPITER-8 TONE EDIT:** HPF
FILTER	17 [R]	Select FILTER TYPE	**JUPITER-8 TONE EDIT:** VINTAGE FLT TYPE
	18 [M]		
	19 [S]		
FILTER	20 FREQ	CUTOFF	**JUPITER-8 TONE EDIT:** CUTOFF
	21 RES	RESONANCE	**JUPITER-8 TONE EDIT:** RESONANCE
	22 KYBD	FLT KEY FOLLOW	**JUPITER-8 TONE EDIT:** FLT KEY FOLLOW
AMP	23 LEVEL	AMP LEVEL	**JUPITER-8 TONE EDIT:** AMP LEVEL

Section	Controller	Parameter	Destination or operation when used with the [SHIFT] button
ENV	24 PITCH	Select PITCH ENV	-
	25 FILTER	Select FILTER ENV	-
	26 AMP	Select AMP ENV	-
	27 A	If "PITCH ENV" is selected: ENV1 ATTACK	**JUPITER-8 TONE EDIT:** ENV1 ATTACK
		If "FILTER ENV" is selected: ENV1 ATTACK	**JUPITER-8 TONE EDIT:** ENV1 ATTACK
		If "AMP ENV" is selected: ENV2 ATTACK	**JUPITER-8 TONE EDIT:** ENV2 ATTACK
	28 D	If "PITCH ENV" is selected: ENV1 DECAY	**JUPITER-8 TONE EDIT:** ENV1 DECAY
		If "FILTER ENV" is selected: ENV1 DECAY	**JUPITER-8 TONE EDIT:** ENV1 DECAY
		If "AMP ENV" is selected: ENV2 DECAY	**JUPITER-8 TONE EDIT:** ENV2 DECAY
	29 S	If "PITCH ENV" is selected: ENV1 SUSTAIN	**JUPITER-8 TONE EDIT:** ENV1 SUSTAIN
		If "FILTER ENV" is selected: ENV1 SUSTAIN	**JUPITER-8 TONE EDIT:** ENV1 SUSTAIN
		If "AMP ENV" is selected: ENV2 SUSTAIN	**JUPITER-8 TONE EDIT:** ENV2 SUSTAIN
	30 R	If "PITCH ENV" is selected: ENV1 RELEASE	**JUPITER-8 TONE EDIT:** ENV1 RELEASE
		If "FILTER ENV" is selected: ENV1 RELEASE	**JUPITER-8 TONE EDIT:** ENV1 RELEASE
		If "AMP ENV" is selected: ENV2 RELEASE	**JUPITER-8 TONE EDIT:** ENV2 RELEASE
	31 DEPTH	If "PITCH ENV" is selected: PIT ENV DEPTH	**JUPITER-8 TONE EDIT:** PIT ENV DEPTH
		If "FILTER ENV" is selected: FLT ENV DEPTH	**JUPITER-8 TONE EDIT:** FLT ENV DEPTH
PART/FUNC	32 MONO	Select SOLO	**JUPITER-8 TONE EDIT:** KEY MODE
	33 UNISON	Select UNISON	**JUPITER-8 TONE EDIT:** KEY MODE

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

TONE Parameters

TONE COMMON

JUPITER-8

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

TONE

JUPITER-8

Parameter	Value	Explanation		CC#
LFO RATE	0–1023	Specifies the rate of the LFO cycle.		29
LFO DELAY TIME	0–1023	Adjusts the time from when the key is pressed until the LFO starts to apply modulation.		27
LFO WAVEFORM	SINE, SAW-DW, SQR, S&H	Selects the waveform of the LFO.		
LFO MOD	0–100	Adjusts the depth at which the LFO modulates the OSC.		26
PIT ENV DEPTH	-100–+100	Adjusts the depth at which the LFO modulates the ENV1.		22
DEST SELECT	OSC1, BOTH, OSC2	Selects the OSC that is modulated by LFO MOD.		
PULSE WIDTH MOD	0–127	PW MODE = MANUAL	Adjusts the pulse width.	50
		PW MODE = LFO/ENV	Adjusts the modulation depth.	
PW MODE	Specifies the pulse width mode.			
	LFO	The pulse width is changed by the LFO.		
	MANUAL	The pulse width is changed by PULSE WIDTH MOD.		
	ENV	The pulse width is changed by the ENV1.		
CROSS MOD	0–10800	Uses the OSC2 waveform to change the frequency of OSC1. Higher values cause the sound of OSC1 to be more complex, allowing you to create metallic sounds or sound effects.		
OSC1 RANGE	16', 8', 4', 2'	Specifies the octave of OSC1.		47
OSC1 WAVEFORM	TRI, SAW, PW, SQR	Selects the waveform that is the basis of the OSC1 sound.		
SYNC SWITCH	OFF, ON	This is oscillator sync. It produces a complex waveform by forcibly resetting OSC1 to the beginning of its cycle in synchronization with the cycle of OSC2.		
OSC2 MODE	NORMAL, LOW FREQ	Selects whether OSC2 operates as NORMAL (in the audible frequency range) or as LFO (in the low frequency range).		111
LOW FREQ	0–127	Specifies the octave when OSC2 MODE is set to LOW FREQ.		
OSC2 RANGE	-12–+24	Specifies the octave of OSC2.		62
OSC2 FINE TUNE	-50–+50	Specifies a fine adjustment to the pitch of OSC2.		56
OSC2 WAVEFORM	SINE, SAW, PW, NOISE	Selects the waveform that is the basis of the OSC2 sound.		
OSC1 LEVEL	0–255	Adjusts the volume balance of OSC1.		16
OSC2 LEVEL	0–255	Adjusts the volume balance of OSC2.		17
HPF	0–1023	Adjusts the cutoff frequency of the high-pass filter.		79
VINTAGE FLT TYPE	JP, 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
FILTER SLOPE	-12dB, -24dB	Selects the type of slope for the low-pass filter.		
FLT ENV DEPTH	-1023–+1023	Adjusts the amount by which the cutoff frequency is controlled by the envelope.		81
FLT ENV MODE	ENV1, ENV2	Selects the envelope that is used to control the cutoff frequency.		

Parameter	Value	Explanation	CC#
FILTER MOD	0–100	Adjusts the amount by which the LFO modulates the cutoff frequency.	28
FLT KEY FOLLOW	0–200	Adjusts the amount by which the keyboard pitch affects the cutoff frequency (key follow). With smaller values, the cutoff frequency becomes lower as you play higher notes.	82
AMP LEVEL	0–127	Adjusts the volume of the tone.	110
AMP MOD-STEP	0–3	Uses the LFO to vary the AMP volume (tremolo effect). Higher values produce a greater effect.	30
ENV1 ATTACK	0–1023	Specifies the ENV1 Attack time.	83
ENV1 DECAY	0–1023	Specifies the ENV1 Decay time.	80
ENV1 SUSTAIN	0–1023	Specifies the ENV1 Sustain level.	85
ENV1 RELEASE	0–1023	Specifies the ENV1 Release time.	86
ENV1 KEY FLW SW	OFF, ON	Specifies the ENV1 key follow. If key follow is on, ADR times become longer for lower notes and shorter for higher notes.	
ENV2 ATTACK	0–1023	Specifies the ENV2 Attack time.	89
ENV2 DECAY	0–1023	Specifies the ENV2 Decay time.	90
ENV2 SUSTAIN	0–1023	Specifies the ENV2 Sustain level.	102
ENV2 RELEASE	0–1023	Specifies the ENV2 Release time.	103
ENV2 KEY FLW SW	OFF, ON	Specifies the ENV2 key follow. If key follow is on, ADR times become longer for lower notes and shorter for higher notes.	
BEND PITCH	0–1200	Specifies the range of pitch change produced by pitch bend.	41
BEND FILTER	-63–+63	Specifies the range of filter change produced by pitch bend.	14
MODULATION LFO	-63–+63	Specifies the amount of LFO applied by modulation.	
PORTA MODE	OFF, ON	Turns portamento on/off. If this is on, the pitch will change smoothly from one note to the next-played note.	118
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 keyboards with aftertouch.**	
AFT FREQ	-63–+63	Sets how much aftertouch changes the low-pass filter intensity. *** This is only enabled for keyboards with aftertouch.**	
AFT LEVEL	-63–+63	Sets how much aftertouch changes the tone volume. *** This is only enabled for keyboards 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

JUPITER-8

No.	Name	Category	MSB	LSB	PC
JP001	Berlin Night	36:Synth Pad/Str	97	64	1
JP002	Dirty Little Pad	36:Synth Pad/Str	97	64	2
JP003	Metro Flute	36:Synth Pad/Str	97	64	3
JP004	Pluck Swell	36:Synth Pad/Str	97	64	4
JP005	Sweeping Pulse	36:Synth Pad/Str	97	64	5
JP006	Sweep JP	36:Synth Pad/Str	97	64	6
JP007	Sunbeams	36:Synth Pad/Str	97	64	7
JP008	Reso Drone	36:Synth Pad/Str	97	64	8
JP009	Reso Pad	36:Synth Pad/Str	97	64	9
JP010	Uni-Sync	36:Synth Pad/Str	97	64	10
JP011	Flange Pad /Mod	36:Synth Pad/Str	97	64	11
JP012	Fat 5 Fever	36:Synth Pad/Str	97	64	12
JP013	Thrift Store	36:Synth Pad/Str	97	64	13
JP014	Delicate Bells	37:Synth Bellpad	97	64	14
JP015	Bright Pad 1	36:Synth Pad/Str	97	64	15
JP016	Bright Pad 2	36:Synth Pad/Str	97	64	16
JP017	Bright Strings	36:Synth Pad/Str	97	64	17
JP018	Strings JP	36:Synth Pad/Str	97	64	18
JP019	Oct Pad	36:Synth Pad/Str	97	64	19
JP020	Retro Flute	36:Synth Pad/Str	97	64	20
JP021	Sqr Soft Pad	36:Synth Pad/Str	97	64	21
JP022	EPistle	36:Synth Pad/Str	97	64	22
JP023	Soft Saw Pad	36:Synth Pad/Str	97	64	23
JP024	PWM Stac Pad	36:Synth Pad/Str	97	64	24
JP025	ModLoop EP!	36:Synth Pad/Str	97	64	25
JP026	Soft Pad JP	36:Synth Pad/Str	97	64	26
JP027	Big Bite Pluck	38:Synth PolyKey	97	64	27
JP028	Fairy Tales	38:Synth PolyKey	97	64	28
JP029	Silk Stabber	38:Synth PolyKey	97	64	29
JP030	Soft Pluck	38:Synth PolyKey	97	64	30
JP031	Memories	42:Pulsating	97	64	31
JP032	Havana Pad	42:Pulsating	97	64	32
JP033	MW Studr	42:Pulsating	97	64	33
JP034	Zip Lock Pluck	42:Pulsating	97	64	34
JP035	Duster Pad	42:Pulsating	97	64	35
JP036	Sanctuary Pad	42:Pulsating	97	64	36
JP037	Slice Pad	42:Pulsating	97	64	37
JP038	Sqr Stac Pad	42:Pulsating	97	64	38
JP039	Wah Pad	42:Pulsating	97	64	39
JP040	Synth Brass JP	35:Synth Brass	97	64	40
JP041	PWM Env Brass	35:Synth Brass	97	64	41
JP042	Future Brass	35:Synth Brass	97	64	42
JP043	Detuned Lead	34:Synth Lead	97	64	43
JP044	SBF Saw Lead	34:Synth Lead	97	64	44
JP045	Sync or Swim	34:Synth Lead	97	64	45
JP046	Sync Lead JP	34:Synth Lead	97	64	46
JP047	4th Stac Lead	34:Synth Lead	97	64	47
JP048	5th Dist Lead	34:Synth Lead	97	64	48
JP049	Solid Lead Lower	34:Synth Lead	97	64	49
JP050	Solid Lead Upper	34:Synth Lead	97	64	50
JP051	TB Squared	34:Synth Lead	97	64	51
JP052	Saw Lead	34:Synth Lead	97	64	52
JP053	European Lead	34:Synth Lead	97	64	53
JP054	Sqr Bend Lead	34:Synth Lead	97	64	54
JP055	Sine Pump Up	34:Synth Lead	97	64	55
JP056	Reso Choke Bass	21:Synth Bass	97	64	56
JP057	Polarity Bass	21:Synth Bass	97	64	57
JP058	Jumpah	21:Synth Bass	97	64	58
JP059	Tri Bass	21:Synth Bass	97	64	59
JP060	Gut Punch Bass	21:Synth Bass	97	64	60
JP061	Pulse Basser	21:Synth Bass	97	64	61
JP062	Bass Juice	21:Synth Bass	97	64	62
JP063	Basser PW	21:Synth Bass	97	64	63
JP064	8-Easy	21:Synth Bass	97	64	64
JP065	Burned Bass	21:Synth Bass	97	64	65
JP066	Tight Bass	21:Synth Bass	97	64	66
JP067	Saw Unison Bass	21:Synth Bass	97	64	67
JP068	Sqr Unison Bass	21:Synth Bass	97	64	68
JP069	Tri Looper	40:Synth Seq/Pop	97	64	69
JP070	Sqr Seq Tone	40:Synth Seq/Pop	97	64	70
JP071	XMod Spike	39:Synth FX	97	64	71
JP072	Low Freq Tone	39:Synth FX	97	64	72
JP073	NEG SYNC	36:Synth Pad/Str	97	64	73
JP074	NEG PLUCK	36:Synth Pad/Str	97	64	74
JP075	SYNC SWEEP	36:Synth Pad/Str	97	64	75
JP076	CARS SYNC	36:Synth Pad/Str	97	64	76
JP077	SYNC LEAD	34:Synth Lead	97	64	77
JP078	HONKY TONK	38:Synth PolyKey	97	64	78
JP079	HARP	38:Synth PolyKey	97	64	79
JP080	LO STRINGS	36:Synth Pad/Str	97	64	80
JP081	MID STRINGS	36:Synth Pad/Str	97	64	81
JP082	HI STRINGS	36:Synth Pad/Str	97	64	82
JP083	MELLOW STRINGS	36:Synth Pad/Str	97	64	83
JP084	LO BRASS	35:Synth Brass	97	64	84
JP085	HI BRASS	35:Synth Brass	97	64	85
JP086	S&H BRASS	35:Synth Brass	97	64	86
JP087	SYNTH BRASS	35:Synth Brass	97	64	87
JP088	BELL ORGAN	38:Synth PolyKey	97	64	88
JP089	COMBO ORGAN	38:Synth PolyKey	97	64	89
JP090	PIPE ORGAN	38:Synth PolyKey	97	64	90
JP091	ELECTRIC ORGAN	38:Synth PolyKey	97	64	91
JP092	SOLO VOICE	34:Synth Lead	97	64	92
JP093	CHOIR VOICES	36:Synth Pad/Str	97	64	93
JP094	CHIME	37:Synth Bellpad	97	64	94
JP095	SOLAR WINDS	39:Synth FX	97	64	95
JP096	FUZZY FIFTHS	34:Synth Lead	97	64	96
JP097	DOWN FOURTH	34:Synth Lead	97	64	97
JP098	MELLOW BLIP	36:Synth Pad/Str	97	64	98
JP099	HARD BLIP	36:Synth Pad/Str	97	64	99
JP100	CLARINET	34:Synth Lead	97	64	100
JP101	FLUTE	34:Synth Lead	97	64	101
JP102	VIOLIN	36:Synth Pad/Str	97	64	102
JP103	CELLO	36:Synth Pad/Str	97	64	103
JP104	HARMONICA	34:Synth Lead	97	64	104
JP105	INIT TONE	No Assign	97	64	105

MIDI Parameter Address Map

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