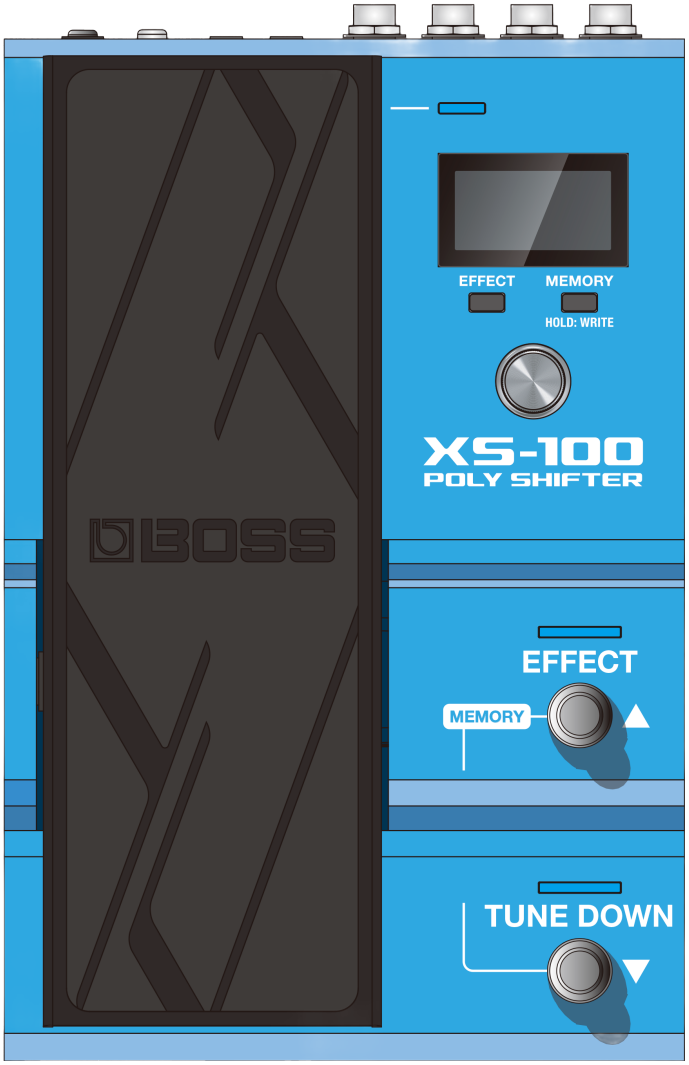


XS-100

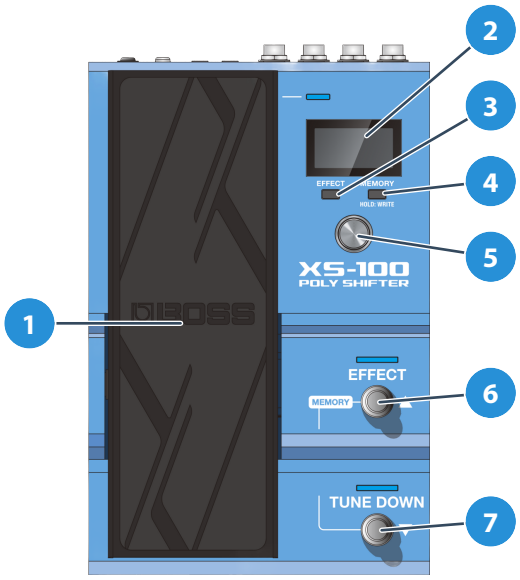
Owner's Manual

Before using this unit, carefully read "USING THE UNIT SAFELY" and "IMPORTANT NOTES" (the leaflet "USING THE UNIT SAFELY" and the Owner's Manual). After reading, keep the document(s) where it will be available for immediate reference.

Contents

Panel descriptions

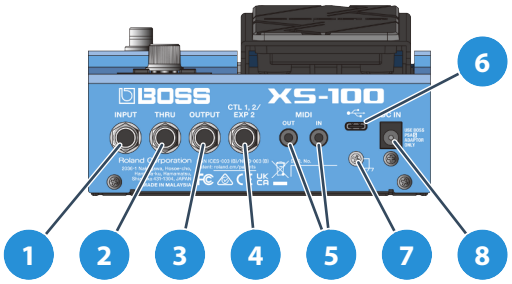
Top panel



Number	Name	Explanation
1	EXP1 pedal	Controls the effect of pitch shifting. Press the pedal firmly with your toes to activate the EXP1 switch. Indicator: Lights when the effect being controlled with the EXP1 switch is on. * When you operate the EXP1 pedal, be careful not to get your fingers pinched between the movable parts and the unit. In places where small children are present, make sure that an adult provides supervision and guidance.
2	Display	Shows the memory, effect settings and so on.
3	[EFFECT] button	Switches between effect mode and effect edit mode. Set the amount of pitch shift, detune and so forth for the pitch shifter.
4	[MEMORY] button	Switches between memory mode and memory/system setting mode. This button switches between memories (1–30) or saves them. Refer to "Saving and switching between memories (p. 11)" for details. Long-press the [MEMORY] button to switch to the WRITE screen.
5	Select knob	Selects (turn) or confirms (press) the memory, parameter or setting value.
6	[EFFECT] switch	Turns the effect on/off. Indicator: Lights when the [EFFECT] switch is on. * In the settings screen, this switch is indicated as "SW1". * Press both the [EFFECT] switch and the [TUNE DOWN] switch to toggle SW MODE.
7	[TUNE DOWN] switch	Adds downtuning and capo effects. Indicator: Lights when the [TUNE DOWN] switch is on. * In the settings screen, this switch is indicated as "SW2". * Press both the [EFFECT] switch and the [TUNE DOWN] switch to toggle SW MODE.

Rear panel

* To prevent malfunction and equipment failure, always turn down the volume, and turn off all the units before making any connections.



Number	Name	Explanation
1	INPUT jack	Connect your guitar or bass guitar here.
2	THRU jack	Outputs the same signal that comes in through the INPUT jack.
3	OUTPUT jack	Connect this jack to your effect unit or amplifier.
4	CTL 1, 2/EXP 2 jack	**Using the jack as CTL 1/2** Connect a footswitch (FS-5U, FS-6, FS-7; sold separately) to control various functions. Refer to "CTL parameters (p. 12)" for details. **Using the jack as an EXP jack** You can connect an expression pedal (EV-30, Roland EV-5 or similar, sold separately) and use it to control the effect volume or other parameters. Refer to "CTL parameters (p. 12)" for details. * Use only the specified expression pedal. By connecting any other expression pedals, you risk causing malfunction and/or damage to the unit. * When you operate the expression pedal, please be careful not to get your fingers pinched between the movable part and the panel. In places where small children are present, make sure that an adult provides supervision and guidance.
5	MIDI (OUT, IN) jacks	Use a TRS/MIDI connecting cable (sold separately: BMIDI-5-35 or similar) to connect an external MIDI device. You can use an external MIDI device to switch between memories on this unit. Do not use these connectors for connecting to audio devices. Doing so may cause a malfunction.
6	USB port	Used only for program updates. * Do not use a USB cable that is designed only for charging. Charge-only cables cannot transmit data. * Connect this to your computer using a commercially available USB 2.0 cable (USB Type-C®).
7	Ground terminal	Connect this to an external earth or ground. This should be connected when necessary.
8	DC IN jack	Connect the included AC adaptor to this jack. The power turns on when you insert a plug into the DC IN jack, and the power turns off when you unplug the cable.

Turning the power on/off

* Once everything is properly connected, be sure to follow the procedure below to turn on their power. If you turn on equipment in the wrong order, you risk causing malfunction or equipment failure.
* Before turning the unit on/off, always be sure to turn the volume down. Even with the volume turned down, you might hear some sound when switching the unit on/off. However, this is normal and does not indicate a malfunction.
* The power to this unit turns off automatically to save energy after a certain amount of time has passed since it was last used or since its buttons or controls were operated.
  - If the power automatically turns off, any unsaved data is lost. Before the power turns off, save the data that you want to keep.
  - If you don't want the unit to turn off automatically, turn this setting off. Note that when the setting is turned off, the unit may consume more power.
  - You can simply turn the power back on after it has turned off automatically.

Turning the power on

1. **Connect the included AC adaptor to the DC IN jack.**

   This turns this unit on.

2. **Turn on your guitar amp or other audio equipment.**

Turning the power off

Check the following before turning the power off.

- Is the volume turned all the way down on all connected devices?
- Have you saved any memories for which you've edited the settings?

1. **Turn off your guitar amp or other audio equipment.**
2. **Unplug the AC adaptor from the DC IN jack.**

   The power turns off.

NOTE

When the power is turned off, any settings you were editing will be lost. You must save the settings that you want to keep.

➡ Saving/initializing a memory (p. 11)

Making the power automatically turn off after a time (Auto Off)

The unit's power can be set to automatically switch off after you stop playing or operating the unit for a specific amount of time.

If you don't want the power to turn off automatically, set Auto Off to "Off".

1. **Press the [MEMORY] button.**

   The memory menu screen appears.

2. **Use the Select knob to select "SYSTEM", and press the Select knob.**

   The SYSTEM parameter screen appears.

3. **Use the Select knob to select "AUTO OFF", and press the Select knob.**

   This selects the AUTO OFF parameter.

4 Turn the Select knob to select “OFF”.

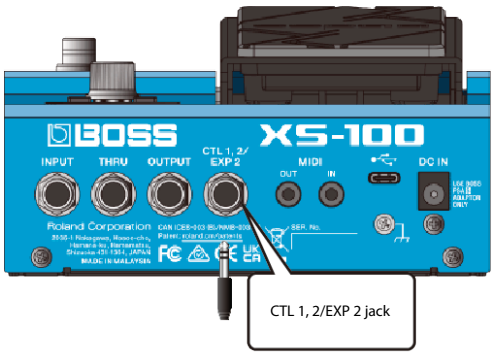
The following screen appears.

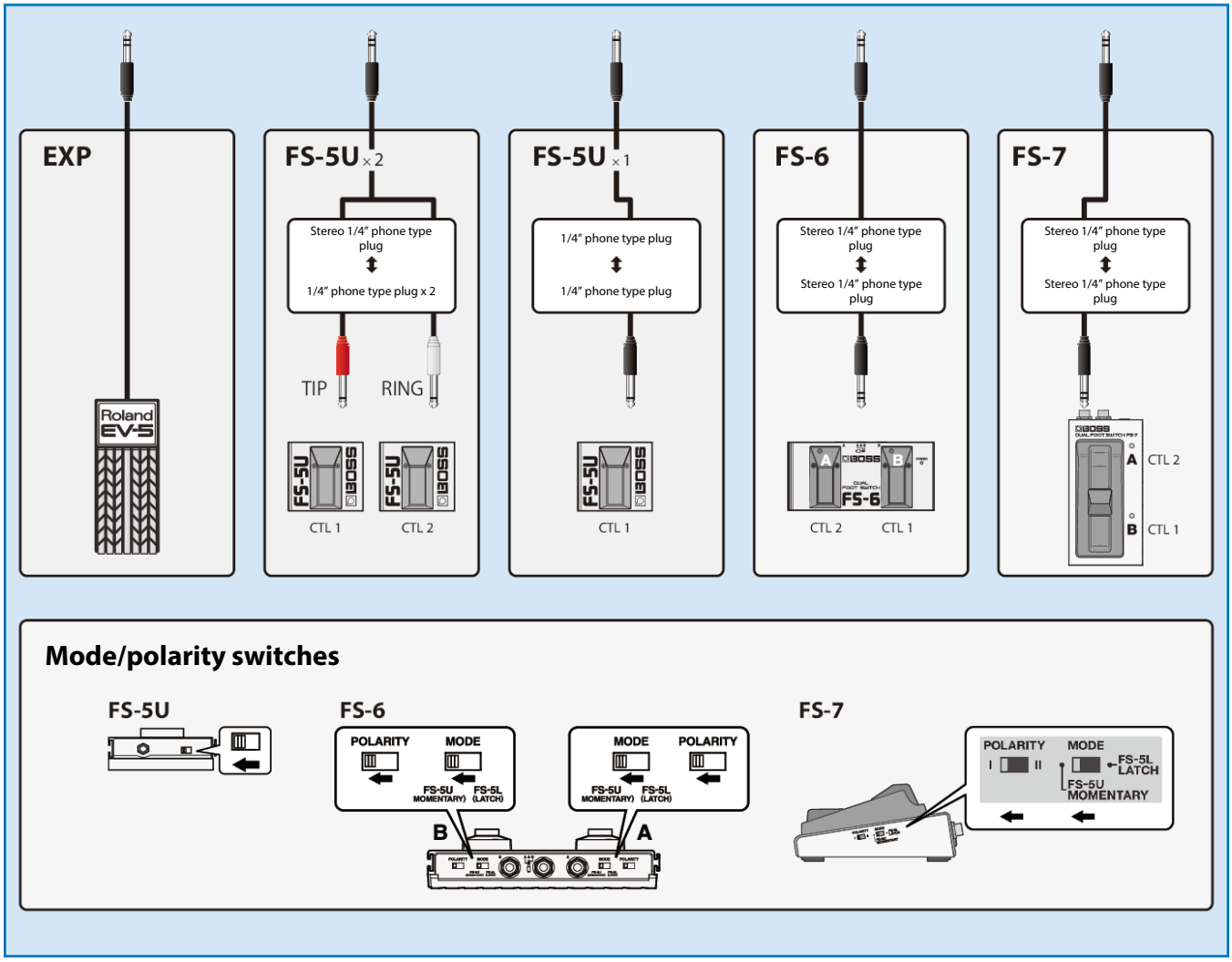
5 Press the [MEMORY] (EXEC) button.

If you decide to cancel, press the [EFFECT] (EXIT) button.

Connecting an external pedal

You can assign various functions to the footswitch or expression pedal that's connected to this unit.





Editing the effects

Effect mode

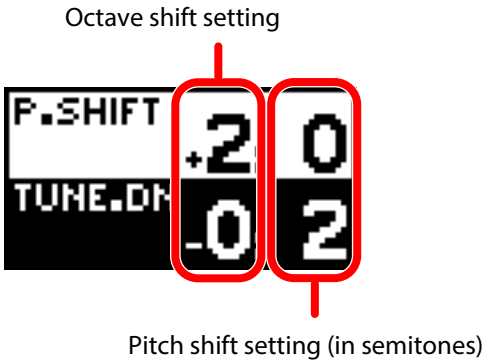
Sets the amount that the pitch is shifted (P.SHIFT) when the pedal is pressed with pitch shift on, and the amount that the pitch is shifted when tune down is on (TUNE.DN).

Pitch shift: Outputs a sound that's been pitch shifted up or down by up to four octaves.

Down tuning: Outputs a sound that's been pitch shifted up or down by up to four octaves.

1 Press the [EFFECT] button to show the following screen (effect mode).

If a different screen is shown, press the [EFFECT] button again.



2 Edit the settings.

Turn the Select knob: Sets how much to shift the pitch in semitones.

Turn the Select knob while holding it down: Sets how many octaves the sound is shifted.

Press the Select knob: Toggles between selecting the P.SHIFT side and the TUNE.DN side.

* If the pitch shift exceeds the operating range, the pitch shift indicator blinks.

Effect edit mode

This mode is for editing the pitch shift, detune and so forth.

1 Press the [EFFECT] button to show the effect mode screen.

Pressing the [EFFECT] button toggles between effect mode and effect edit mode.

2 Select a parameter.

Turn the Select knob: Selects a parameter.

Press the Select knob: Lets you edit the value.

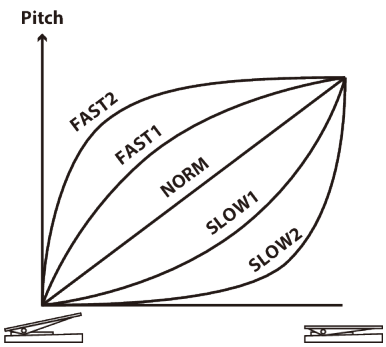
3 **Changes the setting value.**

Turn the Select knob: Changes the setting value.

Press the Select knob: Returns to parameter selection.

4 **Repeat steps 2–3.**

Effect parameters

Parameter	Value	Explanation
P.SHIFT (PITCH SHIFT SW)	OFF, ON	Turns the pitch shift on/off.
- SHIFT (PITCH SHIFT)	-4:0–0:0–+4:0	Sets the amount of change when pitch shift is on. (Octaves): (semitones)
DETUNE (DETUNE SW)	OFF, ON	Switches the detune on/off.
- SHIFT (DETUNE SHIFT)	-50–0–+50	Sets the amount of change in cents when detune is on.
TUNE.DN (TUNE DOWN SW)	OFF, ON	Turns downtuning (tune down) on/off.
- SHIFT (TUNE DOWN SHIFT)	-4:0–0:0–+4:0	Sets the amount of change when downtuning (tune down) is on. (Octaves): (semitones)
- GROUP (TUNE DOWN GROUP)	This sets how the downtuning (tune down) works.	
	INDIV	Tune down works as an independent effect. The tune down effect is also applied when effects are off.
	EFX	Tune down functions along with the effects (pitch shift). When the effects are off, tune down is not applied.
P.RANGE (PEDAL RANGE)	This sets the pedal movement range when downtuning (tune down) is on.	
	ABS	The pitch changes until the shift amount set in the P.SHIFT parameter.
	REL	The pitch is offset from the shift amount set in the P.SHIFT parameter by the amount of change in TUNE.DN.
P.CURVE (PEDAL CURVE)	SLOW2, SLOW1, NORM, FAST1, FAST2	Sets how much the pitch changes according to how far you press the pedal. 
P.RISE (PEDAL RISE RESPONSE)	1–10	Sets the speed at which the pitch changes when the pedal is pressed all the way with your toes.
P.FALL (PEDAL FALL RESPONSE)	1–10	Sets the speed at which the pitch changes when the pedal is pressed all the way with your heel.
E.LEVEL (EFFECT LEVEL)	0–120	Adjusts the volume of the effect sound.
D.LEVEL (DIRECT LEVEL)	0–100	Adjusts the volume of the direct sound.
BALANCE	100:0–100:100–0:100	Sets the volume balance between the direct sound and the effect sound. (Direct sound): (effect sound)
UNI.THRU (UNISON THRU)	OFF, ON	When the pitch shift is zero, the direct sound is played through instead of the effect sound.
EFFECT (EFFECT SW)	OFF, ON	Turns the effect on/off.

Saving and switching between memories

Saving/initializing a memory

Here's how to save (WRITE) the edited effect to memory or initialize it (INIT).

MEMO

Select WRITE to save to memory, or select INIT to initialize the memory.

1 Long-press the [MEMORY] button.

The WRITE screen appears.

2 Select a memory number.

Turn the Select knob: Selects the memory number (press and turn to change the tens digit).

Press the Select knob: Toggles between WRITE and INIT.

3 Press the [MEMORY] (EXEC) button.

If you decide to cancel, press the [EFFECT] (EXIT) button.

Memory mode

Here's how to switch between memories.

1 Press the [MEMORY] button.

Turn the Select knob: The memory changes one at a time.

Turn the Select knob while holding it down: The memory changes in units of 10.

Configuring the overall settings for the XS-100

1 Press the [MEMORY] button.

The memory menu screen appears.

2 Turn the Select knob to select an item, and press the Select knob.

The edit screen for selected item appears.

3 Select a parameter.

Turn the Select knob: Selects the parameter.

Press the Select knob: Switches to editing the value.

4 Changes the setting value.

Turn the Select knob: Changes the setting value.

Press the Select knob: Returns to parameter selection.

5 Repeat steps 3–4.

Parameter list

CTL parameters

Parameter	Value	Description (pedal indicator color)
SW1A (SW1A FUNC) SW2A (SW2A FUNC) SW1B (SW1B FUNC) SW2B (SW2B FUNC)	This sets the functions of the footswitch. **MEMO** • SW1 and SW2 have an "A" and a "B" setting, to which you can respectively assign functions. Use SW MODE (p. 15) to set whether to use either the A or the B function. • The SW1+2 setting lets you switch between A and B by operating the footswitch.	
	OFF	No function is assigned (indicator is dark).
	EFX	Turns the effect on/off (red).
	EFX:M	The effect turns on only while the switch is pressed (red).
	P.SHIFT	Turns the pitch shift on/off (green).
	P.SHIFT:M	The pitch shift turns on only while the switch is pressed (green).
	P+1OCT	Sets the pitch one octave higher (green).
	P+1OCT:M	The pitch is shifted one octave higher only while the switch is pressed (green).
	P-1OCT	Sets the pitch one octave lower (green).
	P-1OCT:M	The pitch is shifted one octave lower only while the switch is pressed (green).
	T.DN	Turns downtuning (tune down) on/off (green).
	T.DN:M	Downtuning (tune down) turns on only while the switch is pressed (green).
	DTNE	Turns detuning on/off (green).
	DTNE:M	Detuning turns on only while the switch is pressed (green).
	DIR	Turns the direct sound on/off (red).

Parameter	Value	Description (pedal indicator color)
	DIR:M	The direct sound turns on only while the switch is pressed (red).
	M.UP	Switches to the next memory (memory increment: blue).
	M.UP(D	Pressing the switch goes to the next memory (memory increment). Long-pressing the switch goes to the previous memory (memory decrement: blue).
	M.DN	Switches to the previous memory (memory decrement: blue).
	M.DN(U	Pressing the switch goes to the previous memory (memory decrement). Long-pressing the switch goes to the next memory (memory increment: blue).
	M.#1–M.#30	Switches to the memory number that was set (blue).
SW1+2 (SW1+2 FUNC)	OFF	No function is assigned.
	MODE1	Toggles SW MODE. The play mode screen (EFFECT/MEMORY) switches along with the toggling of the SW MODE.
	MODE2	Toggles SW MODE. When in MODE2, the screen does not change.
EXP1 (EXP1 FUNC) EXP2 (EXP2 FUNC)	Sets the expression pedal function. When you press the pedal with your toes, the setting value changes up through the value that's set for the parameter of each function.	
	OFF	No function is assigned.
	P.SHIFT	Controls the pitch shift amount.
	DTNE	Controls the detune amount.
	E.LVL	Controls the effect level.
	D.LVL	Controls the direct level.
	BAL	Controls the balance.
- SW (EXP1 SW FUNC)	Sets the function of the EXP1 switch.	
	OFF	No function is assigned (indicator is dark).
	EFX	Turns the effect on/off (red).
	EFX:M	The effect turns on only while the switch is pressed (red).
	P.SHIFT	Turns the pitch shift on/off (green).
	P.SHIFT:M	The pitch shift turns on only while the switch is pressed (green).
	P+1OCT	Sets the pitch one octave higher (green).
	P+1OCT:M	The pitch is shifted one octave higher only while the switch is pressed (green).
	P-1OCT	Sets the pitch one octave lower (green).
	P-1OCT:M	The pitch is shifted one octave lower only while the switch is pressed (green).
	T.DN	Turns downtuning (tune down) on/off (green).
	T.DN:M	Downtuning (tune down) turns on only while the switch is pressed (green).
	DTNE	Turns detuning on/off (green).
	DTNE:M	Detuning turns on only while the switch is pressed (green).
	DIR	Turns the direct sound on/off (red).
	DIR:M	The direct sound turns on only while the switch is pressed (red).

Parameter	Value	Description (pedal indicator color)
CTL1 CTL2	This sets the function of the externally connected footswitch.	
	OFF	No function is assigned (indicator is dark).
	EFX	Turns the effect on/off (red).
	EFX:M	The effect turns on only while the switch is pressed (red).
	PITCH	Turns the pitch shift on/off (green).
	PITCH:M	The pitch shift turns on only while the switch is pressed (green).
	P+1OCT	Sets the pitch one octave higher (green).
	P+1OCT:M	The pitch is shifted one octave higher only while the switch is pressed (green).
	P-1OCT	Sets the pitch one octave lower (green).
	P-1OCT:M	The pitch is shifted one octave lower only while the switch is pressed (green).
	T.DN	Turns downtuning (tune down) on/off (green).
	T.DN:M	Downtuning (tune down) turns on only while the switch is pressed (green).
	DTNE	Turns detuning on/off (green).
	DTNE:M	Detuning turns on only while the switch is pressed (green).
	DIR	Turns the direct sound on/off (red).
	DIR:M	The direct sound turns on only while the switch is pressed (red).
	SW MODE	Toggles SW MODE.
	M.UP	Switches to the next memory (memory increment: blue).
	M.UP(D	Pressing the switch goes to the next memory (memory increment). Long-pressing the switch goes to the previous memory (memory decrement: blue).
	M.DN	Switches to the previous memory (memory decrement: blue).
	M.DN(U	Pressing the switch goes to the previous memory (memory decrement). Long-pressing the switch goes to the next memory (memory increment: blue).
	M.#1–30	Switches to the memory number that was set (blue).

CTL PREF parameters

Parameter	Value	Explanation
SW1A (SW1A PREF)	MEM, SYS	Selects whether the function controlled by SW1A follows the memory's setting (MEM) or the system setting (SYS).
SW2A (SW2A PREF)	MEM, SYS	Selects whether the function controlled by SW2A follows the memory's setting (MEM) or the system setting (SYS).
SW1B (SW1B PREF)	MEM, SYS	Selects whether the function controlled by SW1B follows the memory's setting (MEM) or the system setting (SYS).
SW2B (SW2B PREF)	MEM, SYS	Selects whether the function controlled by SW2B follows the memory's setting (MEM) or the system setting (SYS).
EXP1 (EXP1 PREF)	MEM, SYS	Selects whether the function controlled by EXP1 follows the memory's setting (MEM) or the system setting (SYS).
EXP1 SW (EXP1 SW PREF)	MEM, SYS	Selects whether the function controlled by EXP1 SW follows the memory's setting (MEM) or the system setting (SYS).

Parameter	Value	Explanation
CTL1 (CTL1 PREF)	MEM, SYS	Selects whether the function controlled by CTL1 follows the memory's setting (MEM) or the system setting (SYS).
CTL2 (CTL2 PREF)	MEM, SYS	Selects whether the function controlled by CTL2 follows the memory's setting (MEM) or the system setting (SYS).
EXP2 (EXP2 PREF)	MEM, SYS	Selects whether the function controlled by EXP2 follows the memory's setting (MEM) or the system setting (SYS).

SYSTEM parameters

Parameter	Value	Explanation
EXT MIN (MEMORY EXTENT MIN)	1–30	Sets the minimum value for the selectable memories.
EXT MAX (MEMORY EXTENT MAX)	1–30	Sets the maximum value for the selectable memories.
BYPASS	This sets the output of the bypass sound.	
	ANA	Outputs the analog through sound during bypass.
	DSP	Outputs the DSP through sound during bypass.
EXP1 HOLD EXP2 HOLD	OFF	The operational status of the EXP1 (EXP1 FUNC) and EXP2 (EXP2 FUNC) is not carried over when memories are switched. ➡ "CTL parameters (p. 12)"
	ON	The operational status of the EXP1 (EXP1 FUNC) and EXP2 (EXP2 FUNC) is carried over when memories are switched, if the setting is the same as the previous memory. ➡ "CTL parameters (p. 12)"
EXP1 SW THRE (EXP1 SW THRESHOLD)	1–10	Sets the sensitivity of the EXP1 SW on/off.
SW MODE	A, B	Determines whether you want to use the functions of SW1 and 2 in either the A or B configuration. The function to toggle is set by the CTL parameter.
CONTRAST (DISPLAY CONTRAST)	1–10	Adjusts the screen contrast.
AUTO OFF	Configures the AUTO OFF setting.	
	OFF	The power does not turn off automatically.
	ON	The power turns off automatically when 20 minutes have passed since you last played or operated the unit.

MIDI parameters

Parameter	Value	Explanation
TX CH	Specifies the MIDI transmit channel.	
	1–16	Transmits MIDI messages on the specified MIDI channel (Ch. 1–16).
	RX	MIDI messages are transmitted on the same MIDI channel as the receiving channel.
	OFF	MIDI messages are not transmitted.
RX CH	Specifies the MIDI receive channel.	
	1–16	MIDI messages are received on the specified MIDI channel (Ch. 1–16).
	OFF	MIDI messages are not received.
PC IN	Sets whether to receive program change messages or not.	
	OFF	Messages are not received.
	ON	Messages are received.
PC OUT	Sets whether to transmit program change messages or not.	
	OFF	Messages are not transmitted.
	ON	Messages are transmitted.
BANK SEL (BANK SELECT TX)	Specifies whether bank select messages are transmitted or not.	
	M+L	MSB and LSB messages are transmitted.
	MSB	Only MSB messages are transmitted.
	OFF	Messages are not transmitted.
CC IN	Specifies whether control change messages are received or not.	
	OFF	Messages are not received.
	ON	Messages are received.
CC OUT	Specifies whether control change messages are transmitted or not.	
	OFF	Messages are not transmitted.
	ON	Messages are transmitted.
THRU	Specifies whether MIDI messages received from an external source are retransmitted as-is from the MIDI OUT jack or not.	
	OFF	Messages are not transmitted.
	ON	Messages are transmitted.

MIDI CC parameters

Parameter	Value	Explanation
SW1A (SW1A CC)	OFF, 1–31, 64–95	Sets the control change message used for transmitting to an external source when SW1A is operated, or for operating SW1A when received from an external source.
SW2A (SW2A CC)	OFF, 1–31, 64–95	Sets the control change message used for transmitting to an external source when SW2A is operated, or for operating SW2A when received from an external source.
SW1B (SW1B CC)	OFF, 1–31, 64–95	Sets the control change message used for transmitting to an external source when SW1B is operated, or for operating SW1B when received from an external source.

Parameter	Value	Explanation
SW2B (SW2B CC)	OFF, 1–31, 64–95	Sets the control change message used for transmitting to an external source when SW2B is operated, or for operating SW2B when received from an external source.
EXP1 (EXP1 CC)	OFF, 1–31, 64–95	Sets the control change message used for transmitting to an external source when EXP1 is operated, or for operating EXP1 when received from an external source.
EXP1 SW (EXP1 SW CC)	OFF, 1–31, 64–95	Sets the control change message used for transmitting to an external source when EXP1 SW is operated, or for operating EXP1 SW when received from an external source.
CTL1 (CTL1 SW CC)	OFF, 1–31, 64–95	Sets the control change message used for transmitting to an external source when CTL1 is operated, or for operating CTL1 when received from an external source.
CTL2 (CTL2 SW CC)	OFF, 1–31, 64–95	Sets the control change message used for transmitting to an external source when CTL2 is operated, or for operating CTL2 when received from an external source.
EXP2 (EXP2 CC)	OFF, 1–31, 64–95	Sets the control change message used for transmitting to an external source when EXP2 is operated, or for operating EXP2 when received from an external source.
EFX (EFFECT CC)	OFF, 1–31, 64–95	Sets the control change message that is transmitted when the EFFECT ON/OFF is toggled and the control change message that toggles the EFFECT ON/OFF when received.
PITCH (PITCH CC)	OFF, 1–31, 64–95	Sets the control change message that is transmitted when the PITCH SHIFT ON/OFF is toggled and the control change message that toggles the PITCH SHIFT ON/OFF when received.
TUNE.DN (TUNE DOWN CC)	OFF, 1–31, 64–95	Sets the control change message that is transmitted when the TUNE DOWN ON/OFF is toggled and the control change message that toggles the TUNE DOWN ON/OFF when received.
DETUNE (DETUNE CC)	OFF, 1–31, 64–95	Sets the control change message that is transmitted when the DETUNE ON/OFF is toggled and the control change message that toggles the DETUNE ON/OFF when received.

MIDI PC MAP parameters

Parameter	Value	Explanation
#1–#128 (program number)	OFF	Program change messages are ignored when received.
	M.#1–M.#30	Sets the memory (1–30) to recall when a program change message is received.

Setting the minimum/maximum positions for the EXP1 pedal (calibration)

Use these steps to set the MIN and MAX positions (in that order) for operating the EXP1 pedal.

1. **Press the [MEMORY] button.**

   The memory menu screen appears.

2. **Use the Select knob to select "EXP CALIB", and press the Select knob.**

   The EXP pedal calibration screen appears.

3. **With the EXP1 pedal pressed down all the way with your heel, press the Select knob.**

4. **With the EXP1 pedal pressed down all the way with your toes, press the Select knob.**

5. **Turn the Select knob to set the toggling sensitivity of the EXP1 switch, and then press the Select knob.**

Transferring information from the XS-100 to a computer (MIDI bulk dump)

Here's how to transfer the system and memory settings to a computer. This operation is called a "bulk dump".

Use this to store system and memory settings on a computer as backup data.

1. **Use a TRS/MIDI connecting cable (BMIDI-5-35, sold separately) and a MIDI interface or the like to connect the XS-100 to your computer.**

2. **On your DAW or other MIDI recording software, prepare a MIDI track that can record the MIDI output of the XS-100.**

   When performing the bulk dump, connect to the MIDI jack of the XS-100. USB MIDI connection is not supported.

3. **Press the [MEMORY] button.**

   The memory menu screen appears.

4. **Use the Select knob to select "MIDI BULK DUMP", and press the Select knob.**

   The MIDI BULKDUMP screen appears.

5. **Set the range of the bulk dump operation in the FROM and TO fields.**

6. **Start recording on your DAW and press the [MEMORY] (EXEC) button on the XS-100.**

   If you decide to cancel, press the [EXIT] (EXIT) button.

   When the bulk dump is finished, the memory screen is shown. Stop recording on your DAW.

Error messages

Display	Explanation
“OFF” CONSUMES MORE POWER.	This notifies you that the unit may use more power while the AUTO OFF function is disabled.
AUTO POWER OFF IN * MINUTES.	This notifies you that the auto off function is activating soon.
AUTO POWER OFF IN * SECONDS.	This notifies you that the auto off function is activating soon.
MIDI FULL	This notifies you when there is too much MIDI data to process.
MEMORY DAMAGED	Notifies you when the parameters you have saved are corrupted. In this case, perform a factory reset (“Restoring the factory settings (factory reset) (p. 21)”).
SYSTEM ERROR	Notifies you when the unit cannot be operated normally. If this happens, contact Boss support.

Restoring the factory settings (factory reset)

This shows you how to restore the XS-100 to its factory default settings.

NOTE

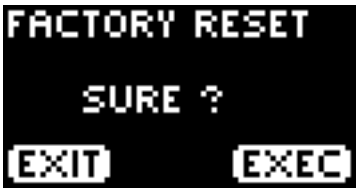
When you execute the factory reset operation, all saved memories are lost.

1 Press the [MEMORY] button.

The memory menu screen appears.

2 Use the Select knob to select "FACTORY RESET", and press the Select knob.

The factory reset screen appears.



To cancel the operation, press the [EXIT] (EXIT) button.

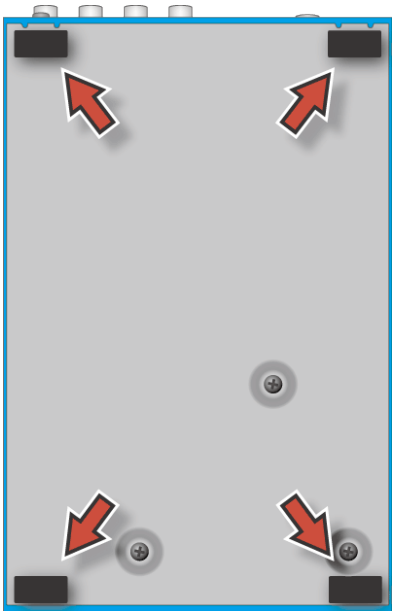
3 Press the [MEMORY] (EXEC) button.

This executes the factory reset.

Attaching the rubber feet

You can attach the rubber feet (included) if necessary.

Attach them in the locations shown in the illustration.



* When turning the unit over, be careful so as to protect the buttons and knobs from damage. Also, handle the unit carefully; do not drop it.
* Using the unit without rubber feet may damage the floor.

IMPORTANT NOTES

Placement

- Depending on the material and temperature of the surface on which you place the unit, its rubber feet may discolor or mar the surface.

Repairs and Data

- Before sending the unit away for repairs, be sure to write down the needed information. Although we will do our utmost to preserve the data stored in your unit when we carry out repairs, in some cases, such as when the memory section is physically damaged, restoration of the stored content may be impossible. Roland assumes no liability concerning the restoration of any stored content that has been lost.

Additional Precautions

- Any data stored within the unit can be lost as the result of equipment failure, incorrect operation, etc. To protect yourself against the irretrievable loss of data, be sure to write down the needed information.
- Roland assumes no liability concerning the restoration of any stored content that has been lost.
- Never strike or apply strong pressure to the display.
- Do not use connection cables that contain a built-in resistor.

Main specifications

AD conversion	24 bits + AF method * AF method (Adaptive Focus method). This is a proprietary method from Roland & BOSS that vastly improves the signal-to-noise (SN) ratio of the AD and DA converters.
DA conversion	32 bits
Sample rate	48 kHz
Memories	30
Nominal input level	INPUT: -10 dBu
Maximum input level	INPUT: +7 dBu
Input impedance	INPUT: 2.2 MΩ
Nominal output level	OUTPUT: -10 dBu
Maximum output level	OUTPUT: +7 dBu
Output impedance	OUTPUT: 1 kΩ
Recommended load impedance	OUTPUT: 10 kΩ or greater
Bypass	Buffered bypass
Controls	[EFFECT] switch [TUNE DOWN] switch Select knob [EFFECT] button [MEMORY] button EXP1 pedal
Display	Graphic LCD (64 x 32 dots, backlit LCD)
Connectors	INPUT jack: 1/4-inch phone type THRU jack: 1/4-inch phone type OUTPUT jacks: 1/4-inch phone type CTL1, 2/EXP2 jack: 1/4-inch TRS phone type USB port: USB Type-C® MIDI (IN, OUT) connectors: Stereo miniature phone type DC IN jack
Power supply	AC adaptor
Current draw	160 mA
Power consumption when in OFF mode (when the power automatically turns off)	0.1 W
Dimensions	147 (W) x 230 (D) x 72 (H) mm 5-13/16 (W) x 9-1/16 (D) x 3-13/16 (H) inches Maximum height: 147 (W) x 230 (D) x 96 (H) mm 5-13/16 (W) x 9-1/16 (D) x 3-13/16 (H) inches
Weight	1.7 kg 3 lbs 12 oz
Accessories	AC adaptor Leaflet (“USING THE UNIT SAFELY”, “IMPORTANT NOTES” and “Information”) Rubber foot x 4

Options (sold separately)	Footswitch: FS-5U Dual footswitch: FS-6, FS-7 Expression pedal: EV-30, FV-500L, FV-500H, Roland EV-5 MIDI/TRS connecting cable: BMIDI-5-35, BMIDI-1-35, BMIDI-2-35, BCC-1-3535, BCC-2-3535

* 0 dBu = 0.775 Vrms

* This document explains the specifications of the product at the time that the document was issued. For the latest information, refer to the Roland website.

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Roland Corporation