

## New functions of the update SGproX

The SGproX has a new ROM version which offers the following additional functionality.

Please refer to this document as you read the SGproX owner's manual.

1. A control method (MODE) function has been added to allow the assignable wheels and sliders to be used independently of their respective switches, which allows the control function (TYPE) to be specified independently (owner's manual p.56--).

### Control method (MODE) setting

This Selects the way in which MIDI messages will be transmitted and how the internal tone generator will be controlled.

For each controller, the following selections can be made:

O: Available    X: Unavailable    -: No setting

	One Shot	Slider Value	Lock	Alternate	Momentary	Cnti+OneShot	Cnti+Alter	Cnti+Moment
AW1	O	O	O	O	O	O	O	O
aw1(switch)	X	X	X	X	X	O	O	O
AW2	O	O	X	O	O	O	O	O
aw2(switch)	X	X	X	X	X	O	O	O
AL1	O	O	X	O	O	O	O	O
al1(switch)	X	X	X	X	X	O	O	O
AL2	O	O	X	O	O	O	O	O
al2(switch)	X	X	X	X	X	O	O	O
AL3	O	O	X	O	O	O	O	O
al3(switch)	X	X	X	X	X	O	O	O
AL4	O	O	X	O	O	O	O	O
al4(switch)	X	X	X	X	X	O	O	O
AP	-	-	-	-	-	-	-	-
AS	O	X	X	O	X	O	X	X

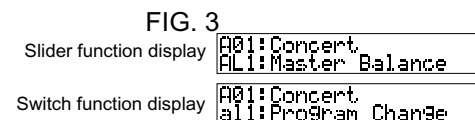
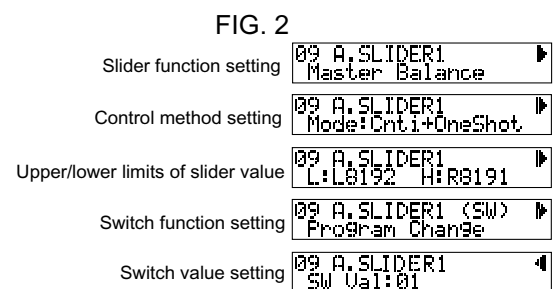
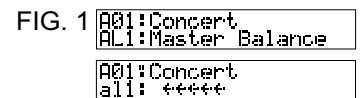
Operations will be as described in the owner's manual for "One Shot," "Slider Value," "Lock," "Alternate" and "Momentary". At this time, the switch function setting page will be displayed, but the lower line of the LCD will show "----," and it will not be possible to specify the function.

When you check the control function in PROGRAM mode or PERFORMANCE mode, the display will appear as shown in figure 1 (refer to added functionality "2").

For "Cnti+OneShot," "Cnti+Alter" and "Cnti+Moment," the control methods are the same as "One Shot," "Alternate" and "Momentary" respectively. The control function can be set independently for the switches under each wheel or slider. The display will be as shown in figure 2.

When you check the control function in PROGRAM mode or PERFORMANCE mode, the display will appear as shown in figure 3 (refer to Section "2" of this document).

Example: If settings have been made as shown in figure 2, moving assignable slider 1 will cause the MIDI message Master Balance to be transmitted, with a data value corresponding to the slider position (in this case, L8192--R8191). Pressing assignable switch 1 will transmit a MIDI Program Change message with the SW value (in this case, 1).



\* Wheels and sliders are displayed as uppercase characters (AL1 in the abovedisplay).  
Switches are displayed as lowercase characters (al1 in the above display).

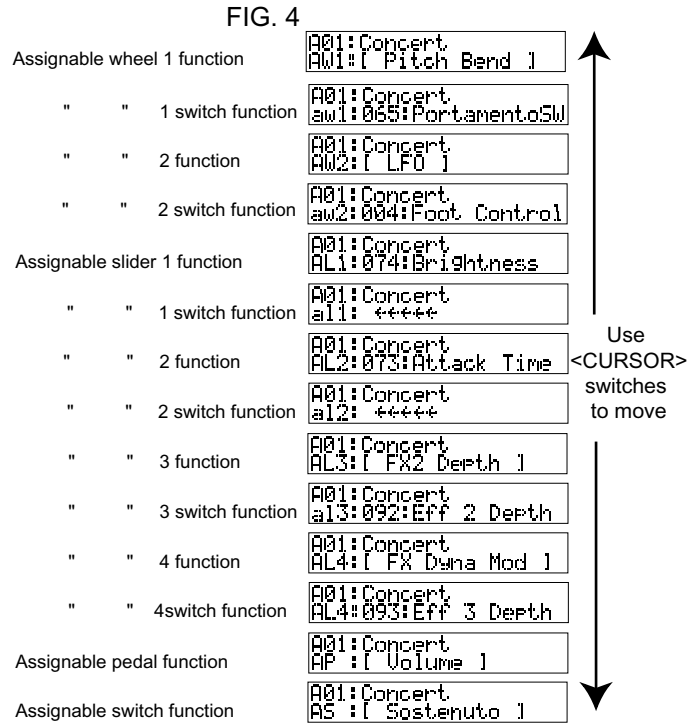
### Cautions when executing a MIDI data dump

When transmitting data from the new version of the SGproX to an old version SGproX, make Global settings and performance control settings as follows.

- Set the Control method (MODE) to a setting such as "One Shot," "Slider Value," "Lock," "Alternate" or "Momentary" which does not separate the function of the wheel or slider from the function of the corresponding switch.
- Turn the switch function (SW) to "Off."

2. The display in PROGRAM mode or PERFORMANCE mode for viewing the control function will now also display the function of the corresponding switch (owner's manual p.25, 26).

By pressing the <CURSOR> switches, you can view the control function of each assignable controller in the lower line of the LCD display, as shown in figure 4.  
 If the switch has not been defined separately from its associated wheel/slider it will show " ← ← ← ← " meaning it has the same function as the previous screen.



3. The list of controllers that can be filtered from Timbre A and B has been greatly expanded (owner's manual p.41). Below is a list of choices that are available.

As shown in figure 5, you can enable ("E") or disable ("D") receipt of controller messages generated by the SGproX or transmitted over MIDI for Timbres A and B.

Damper/Sostenuto

64: Hold, 66: Sostenuto (CC#64, CC#66)

Pitch bend

Pitch Bend (Pitch Bend)

Modulation

01: Modulation (CC#01)

Volume

07: Volume (CC#07)

Expression

11: Expression (CC#11)

AfterTouch

After Touch (After Touch)

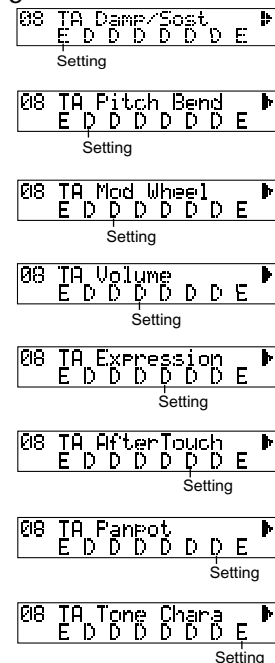
Panpot

10: Panpot (CC#10)

Tone character

73: Attack Time, 74: Brightness, 75: Decay Time (CC#73, CC#74, CC#75)

FIG. 5



## Correction to the SGproX owner's manual

In the MIDI implementation chart, the X shown in the Recognized column for Channel Aftertouch should be corrected to O (owner's manual p.71).