

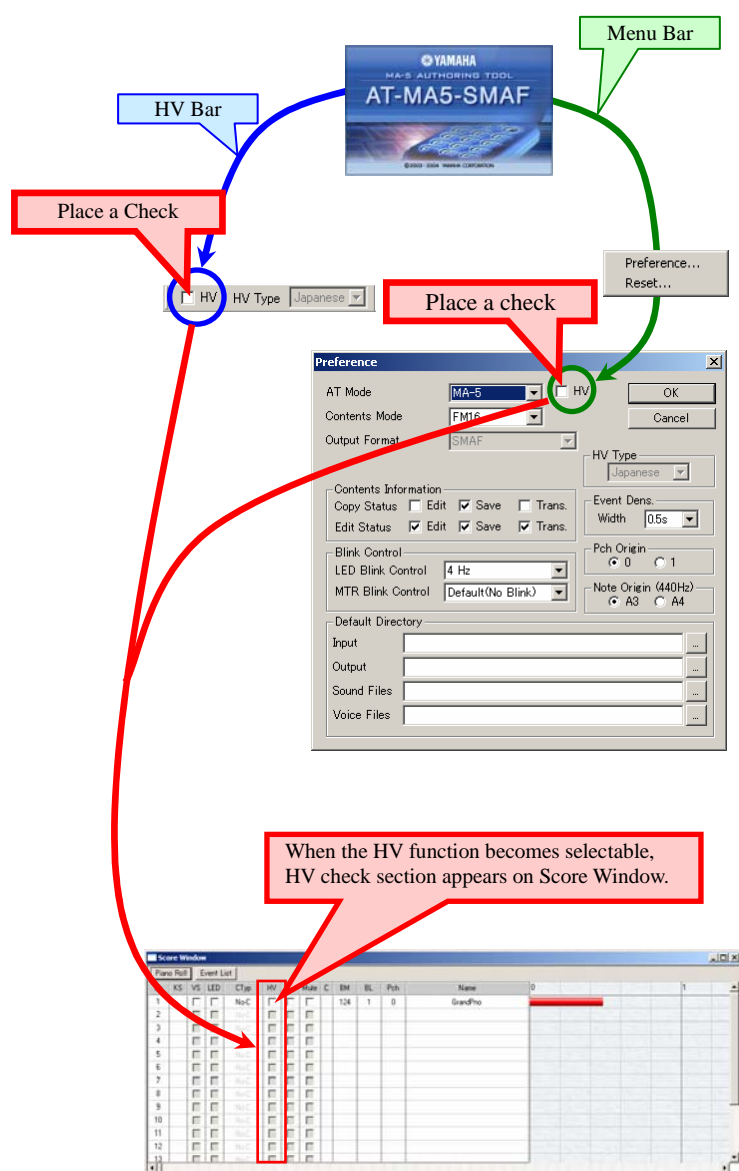
## Assign the HV-Script

In this document, a series of operation method to assign the HV-Script into SMAF File (\*.mmf) is described. Not only a SMAF File (\*.mmf) which is made only by HV-Script but also a SMAF file (\*.mmf) which is made by synchronizing the HV-Script with music data can be created.

### Assign HV-Scripts into SMAF File

In this section, a series of operation to assign HV-Scripts into SMF (\*.mid) which were created using a Sequencer by reading it into MA-5 Authoring Tool is described.

#### Step1 Enable the HV Function

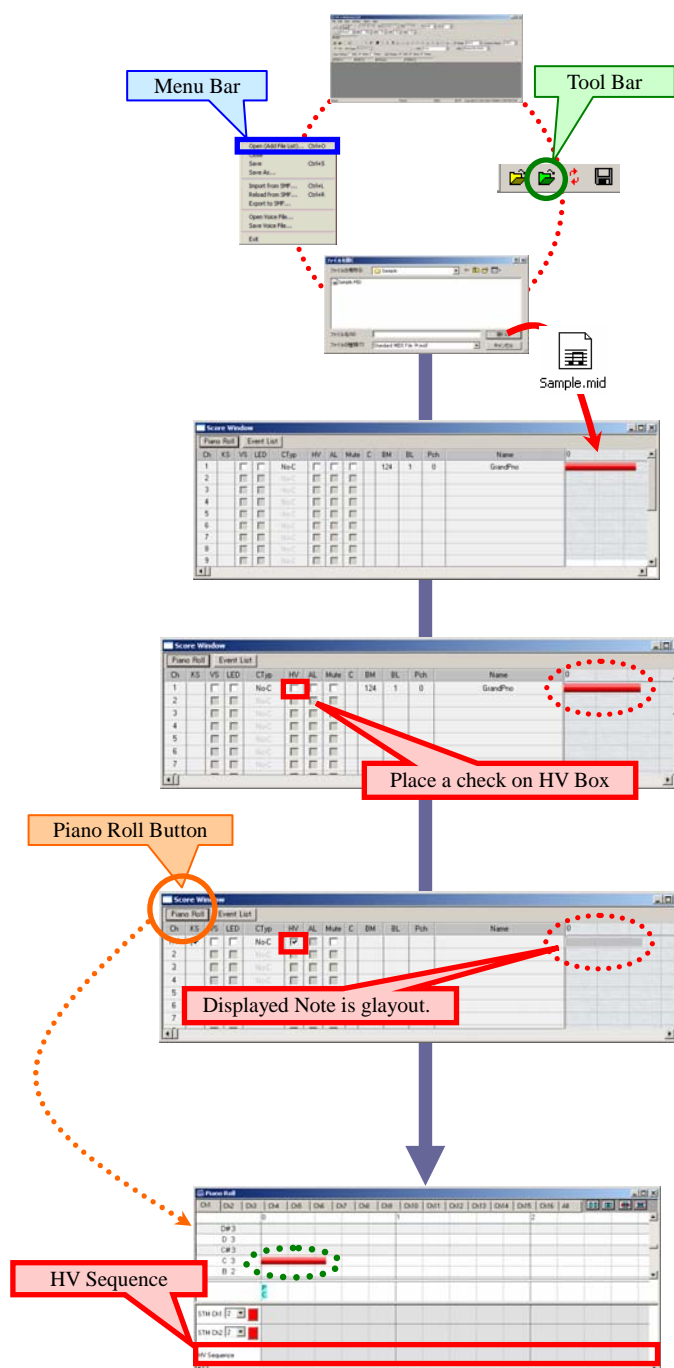


First of all, in order to enable the HV functions, the HV environments in MA-5 Authoring Tool need to be activated.

- Operate the "MA-5 Authoring Tool."
- Place a check into a check box of HV Bar on "Application Window". Or, Open the "Preference Window" in order of "Menu Bar" → "Option" → "Preference", and then place a check onto HV check box.
- HV Check Section is displayed on Score Window. Finally, HV function becomes available.

Only when the mode which is selected in Authoring Tool is MA-5 mode, HV function becomes selectable. So, be careful about this point.

## Step2 Read a SMF and Display on Channel for HV



i. Read a SMF (\*.mid) which was created using the MIDI Sequencer into MA-5 Authoring Tool.

ii. Confirm the read SMF (\*.mid) as music data on Score Window.

iii. Place a check into a HV check box of channel which is used for HV.

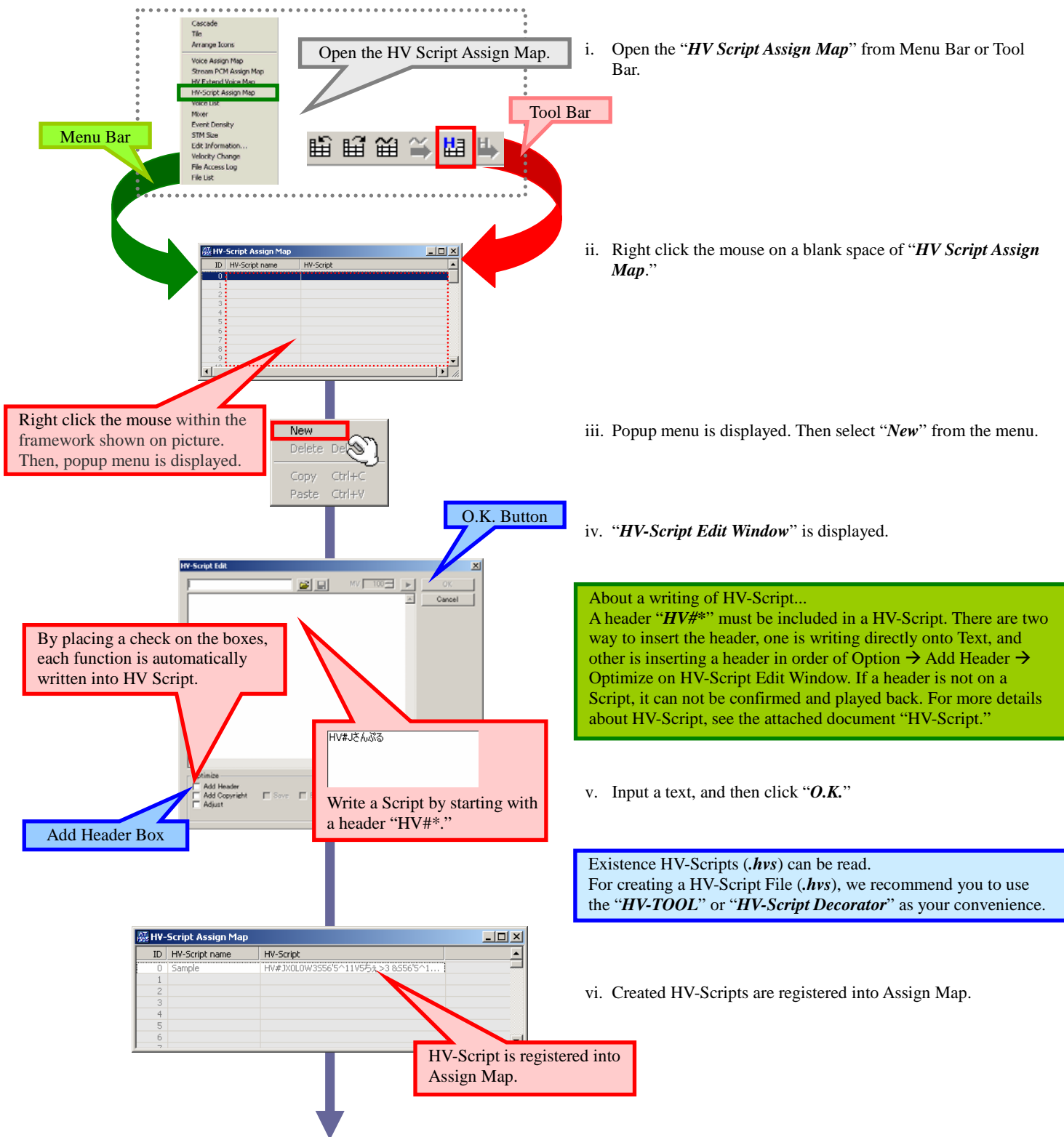
iv. Note information which was displayed all the while is made to nondisplay; in addition, the Note Bar is layout. (If there is no channel for HV in music data, a playback is disabled at this point.)

v. Click "**Piano Roll**" button on Score Window.

vi. Piano Roll Window is displayed. Be sure to confirm that "**HV Sequencer**" is displayed on Piano Roll Window at this point.

### Step3 Create HV-Scripts and Register into HV-Script Assign Map

Create HV-Scripts in a read music data and assign.



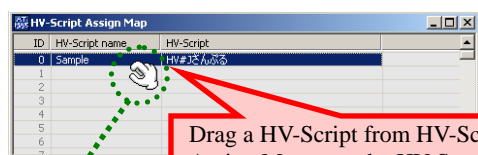
- i. Open the "**HV Script Assign Map**" from Menu Bar or Tool Bar.
- ii. Right click the mouse on a blank space of "**HV Script Assign Map**."
- iii. Popup menu is displayed. Then select "**New**" from the menu.
- iv. "**HV-Script Edit Window**" is displayed.

About a writing of HV-Script...  
A header "**HV#\***" must be included in a HV-Script. There are two way to insert the header, one is writing directly onto Text, and other is inserting a header in order of Option → Add Header → Optimize on HV-Script Edit Window. If a header is not on a Script, it can not be confirmed and played back. For more details about HV-Script, see the attached document "HV-Script."

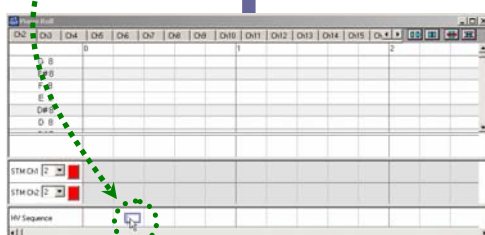
- v. Input a text, and then click "**O.K.**"

- vi. Created HV-Scripts are registered into Assign Map.

## Step4 Assign HV-Scripts into SMAF File



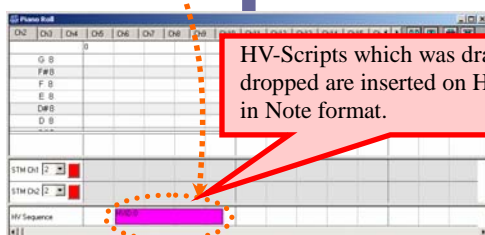
Drag a HV-Script from HV-Script Assign Map onto the HV-Sequence on Piano Roll Window, and drop it.



- i. Open "**HV-Script Assign Map**", and then left-click the mouse on a HV-Script data which was created in Step 3.

- ii. Drag the HV-Script to the HV-Sequence on Piano Roll Window, and drop it.

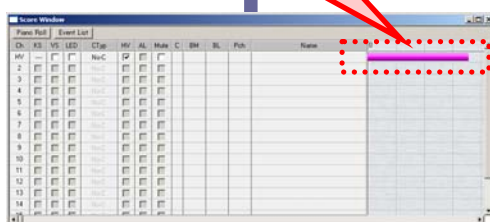
- iii. The HV-Script which was input by dragging and dropping is displayed on the HV-Sequence in Note format.



HV-Scripts which was dragged and dropped are inserted on HV-Sequence in Note format.

A note which was layout is pigmented.

- iv. In order to make it synchronize with music data, HV-Script can be moved by dragging.



A series of operation to assign HV-Scripts into music data is now completed.

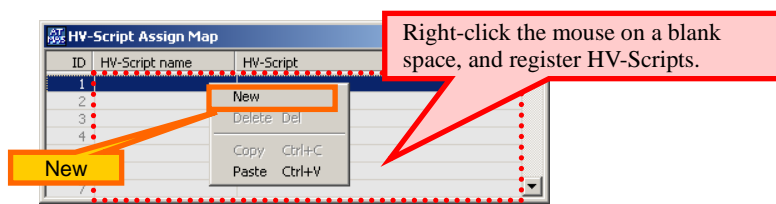
## Supplemental Function of HV

In this section, the supplemental functions for assigning HV-Scripts into SMAF file are described.

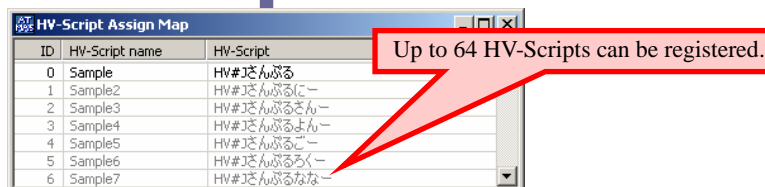
### Multi HV-Script File (\*.hs5)

Multi-HV-Scripts can be saved as one file and used.

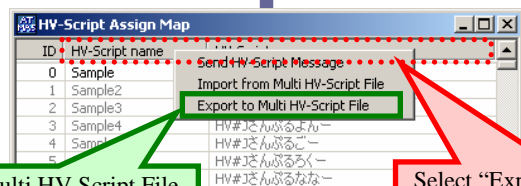
#### Save a Multy HV-Script File



- i. Open “*HV-Script Assign Map*.” Popup menu is opened by right-clicking the mouse. Then, select “*New*” from the menu.



- ii. Open “*HV-Script Edit Window*”, and create a HV-Script. Then, register these created Scripts to HV-Script Assign Map one by one.

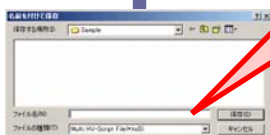


- iii. By right-clicking the mouse on a title display of “*HV-Script Assign Map*”, a popup menu is displayed.

- iv. Select “*Export to Multi HV-Script File*.”

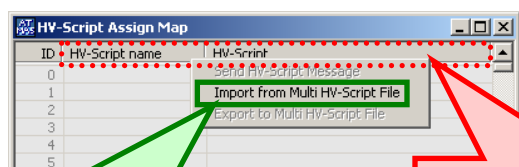
Select “Export to Multi HV-Script File” from the popup menu.

HV-Scripts are saved as an aggregation (\*.hv5).



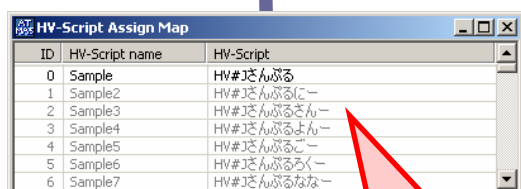
- v. “*Save As...*” dialog is displayed. Type a file name, and then press “*Save*.” The file is save as a format “*Multi HV-Script File (\*.hs5)*.”

## Open a Multi HV-Script File



Import from Multi HV-Script

Select "Import from Multi HV-Script File" from the popup menu.



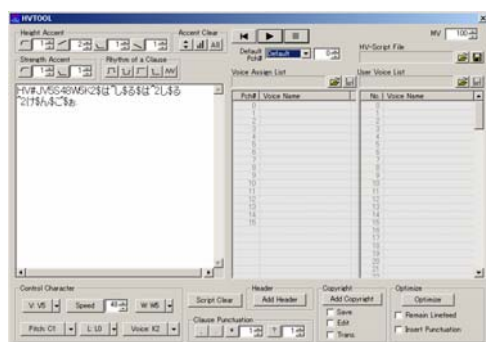
The registered HV-Scripts are displayed by lump.

i. By right-clicking the mouse on "**HV-Script Assign Map**", a popup menu is opened. Then, select "**Import from Multi HV-Script File**."

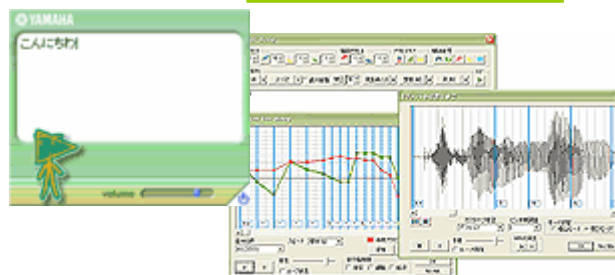
ii. "**Open**" is displayed. Then, select a "**Multi-HV-Script File (\*.hvs5)**" which was save beforehand.

iii. HV-Scripts which were saved in a lump are displayed on HV-Script Assign Map. If HV-Sequence-track which corresponds to the HV-Script-ID-numbers exists in Piano-Roll-Window, such HV-Scripts are automatically assigned.

## The Recommended Tool for Creating HV-Script

HV-ToolHV-Script Decorator

Japanese and Chinese only



Links to SMAF Global sites: <http://smf-yamaha.com>