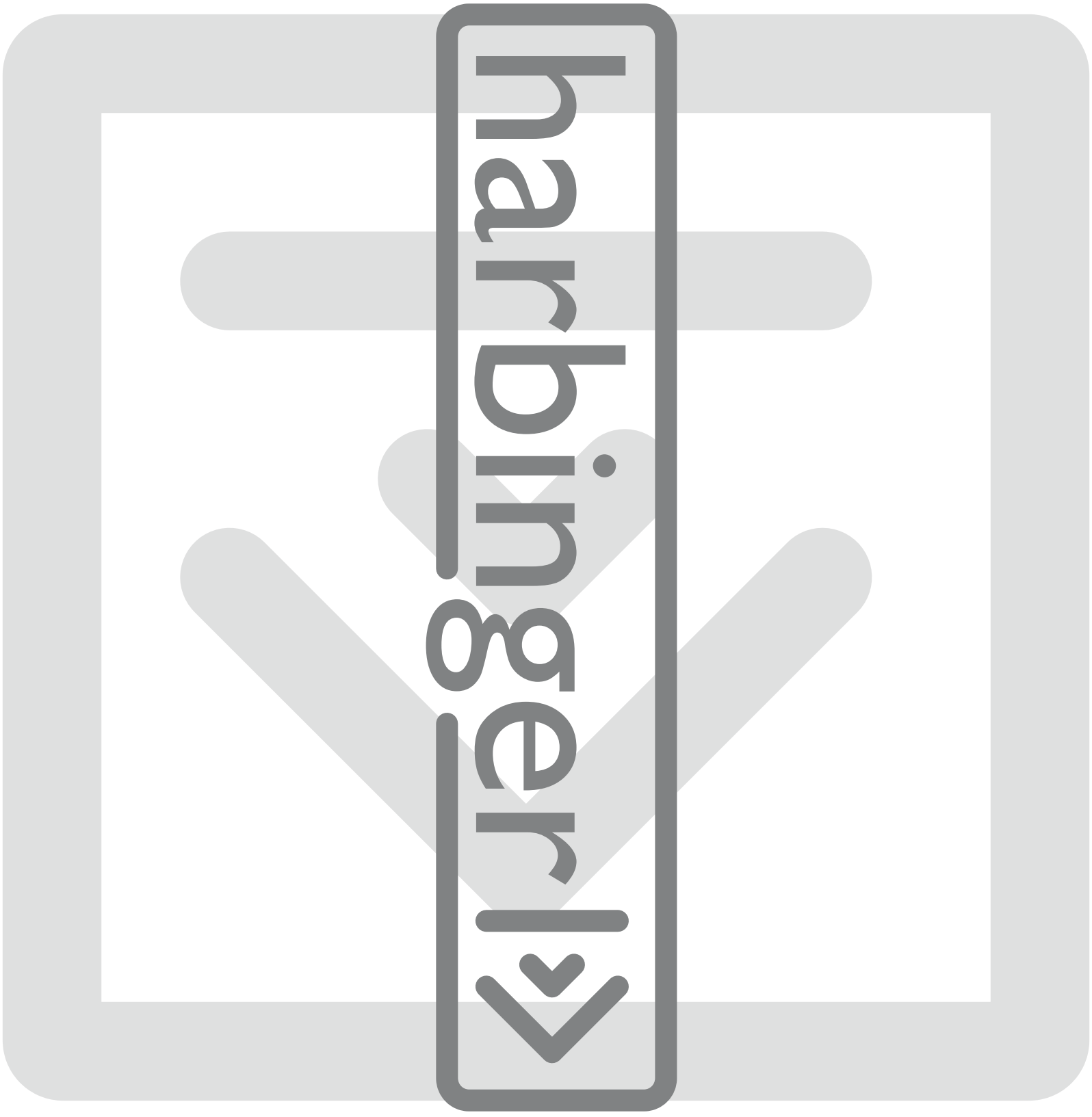


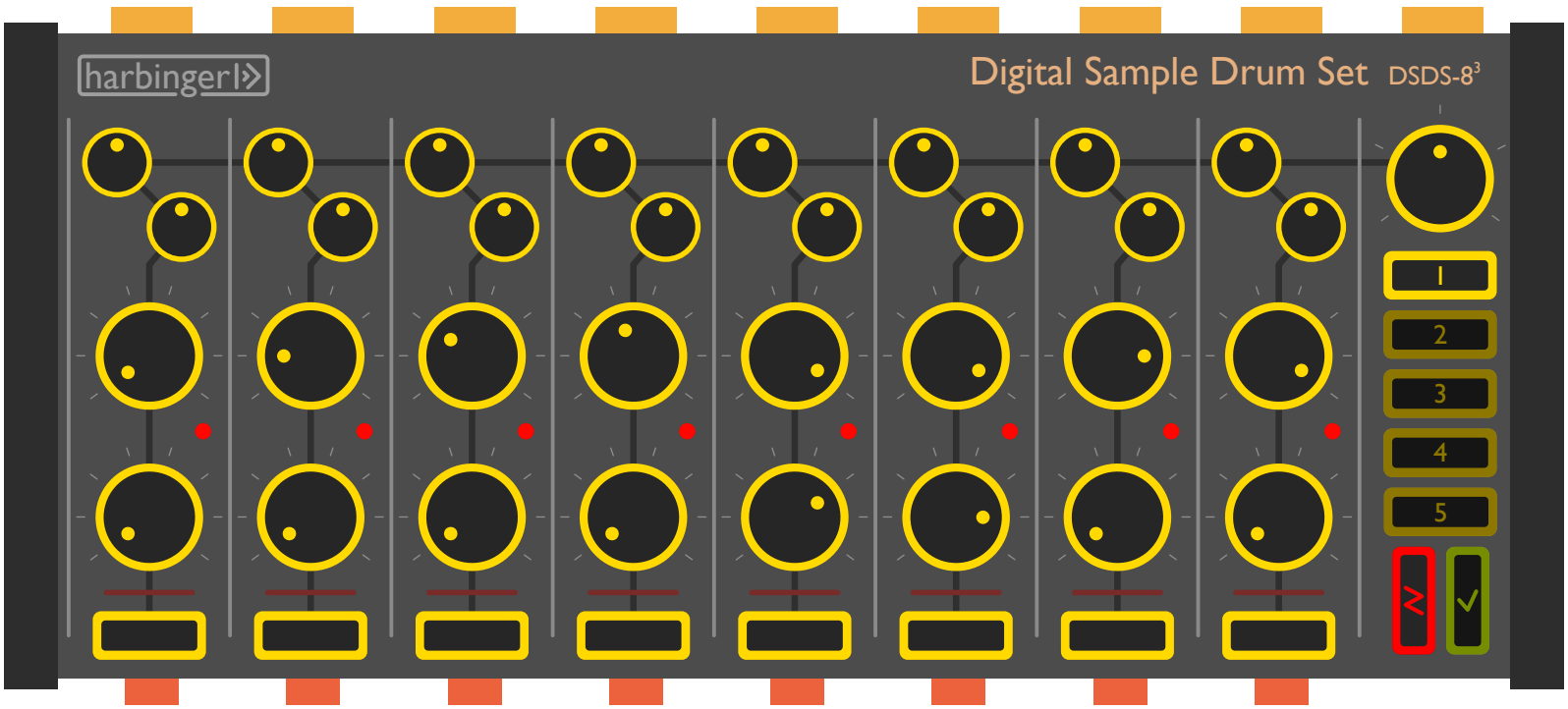
Model: Digital Sample Drum Set Model No. : DSDS-8-3

harbinger

Hello

Congratulations and thank you for purchasing the Harbinger Digital Sample Drum Set! Please read this owner's manual carefully before using the instrument in order to take full advantage of its various features. Make sure to keep this manual in a safe and handy place even after you finish reading, and refer to it often when you need to better understand an operation or function.

We hope that you enjoy this product. We certainly are very proud of it, though if you encounter any issue, or notice something you believe to be a defect, please contact your local dealer Or if they are unable to help you, contact us by e-mail at help@harbinger.com



Overview

The Digital Sample Drum Set is an eight channel electronic drum synthesizer. Each channel comes with 64 individual drum samples to choose from, play speed control, and hit velocity control. These eight channels can each be activated by hand with their "hit" buttons, or by using the input connection ports. Each channel has its sound routed to both an individual output audio connection, and to a summing audio connection on the right of the instrument, which has its own over-all volume control.

The instrument comes with the ability to store and retrieve up to five pre-sets, which consist of settings for all channels. This allows a user to quickly switch between drum set layouts and sounds. Additionally you can choose between using signal or voltage connections as inputs for the channels. Voltage connections allow each activating hit to select its own velocity.

This instrument's connections follow the Coordinated Universal Interworking Standard (CUIS) and as such can be used with any product from any manufacturer that also adheres to this standard.

For the full list of what samples are included in this instrument, please see Appendix A. For details on what samples are used in each preset, please see Appendix B.

The instrument can be simplified into nine columns of two types; channel and control. The layout of these columns can be seen in the diagram below.

Each of the eight channels are identical and independent of each-other. The control panel column has the ability to modify the instrument overall, along with the eight columns. Connections which are used by columns are placed either above or below them.

The following two sections describe the two types of column in detail.

Channel

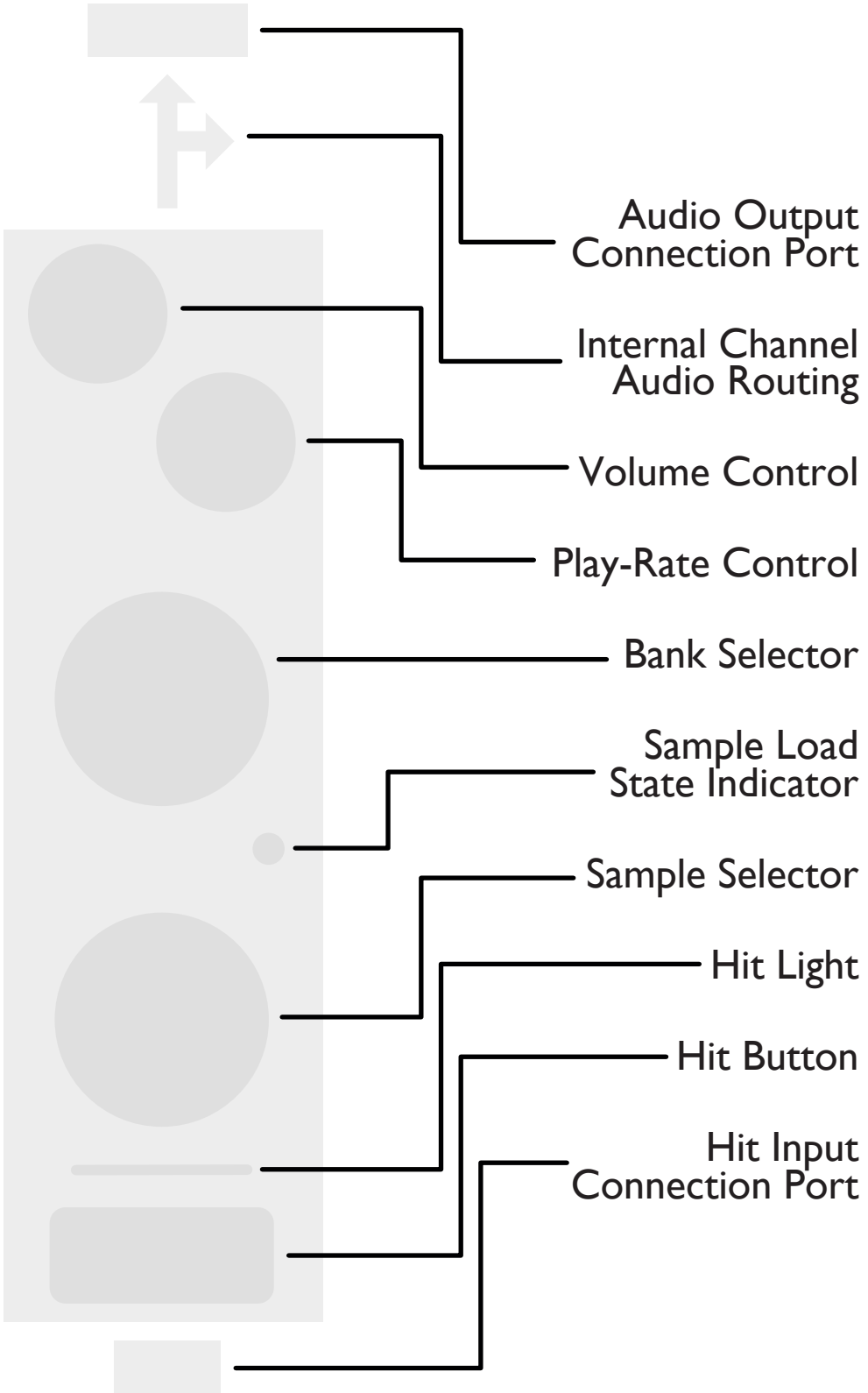
This section constitutes one element of the drum set. With it, one can select the type of sample to use, along with its playback rate and volume.

You can select the sample using the "Bank" and "Sample" selectors. There are eight banks each with eight samples within. Each bank follows a general theme; bass drums, snare drums, etc. With each sample being a different recording within that theme. See Appendix A for details. The "Sample Load Indicator" will tell you when the selected sample has been loaded into the column's memory and is ready to be used.

Activating the sounds is done with the 'Hit' button or connection port, with each hit being indicated by a flash from the 'Hit Light'.

The upper two dials, control the volume of the sample and its play-rate. Both dials vary between 0x and 2x. In the play-rate dial's case, this means you can play the sample at any speed between super slow, and double time.

Audio output from a column will be sent to both the individual audio output connection above the column, and to the Control column.



Control

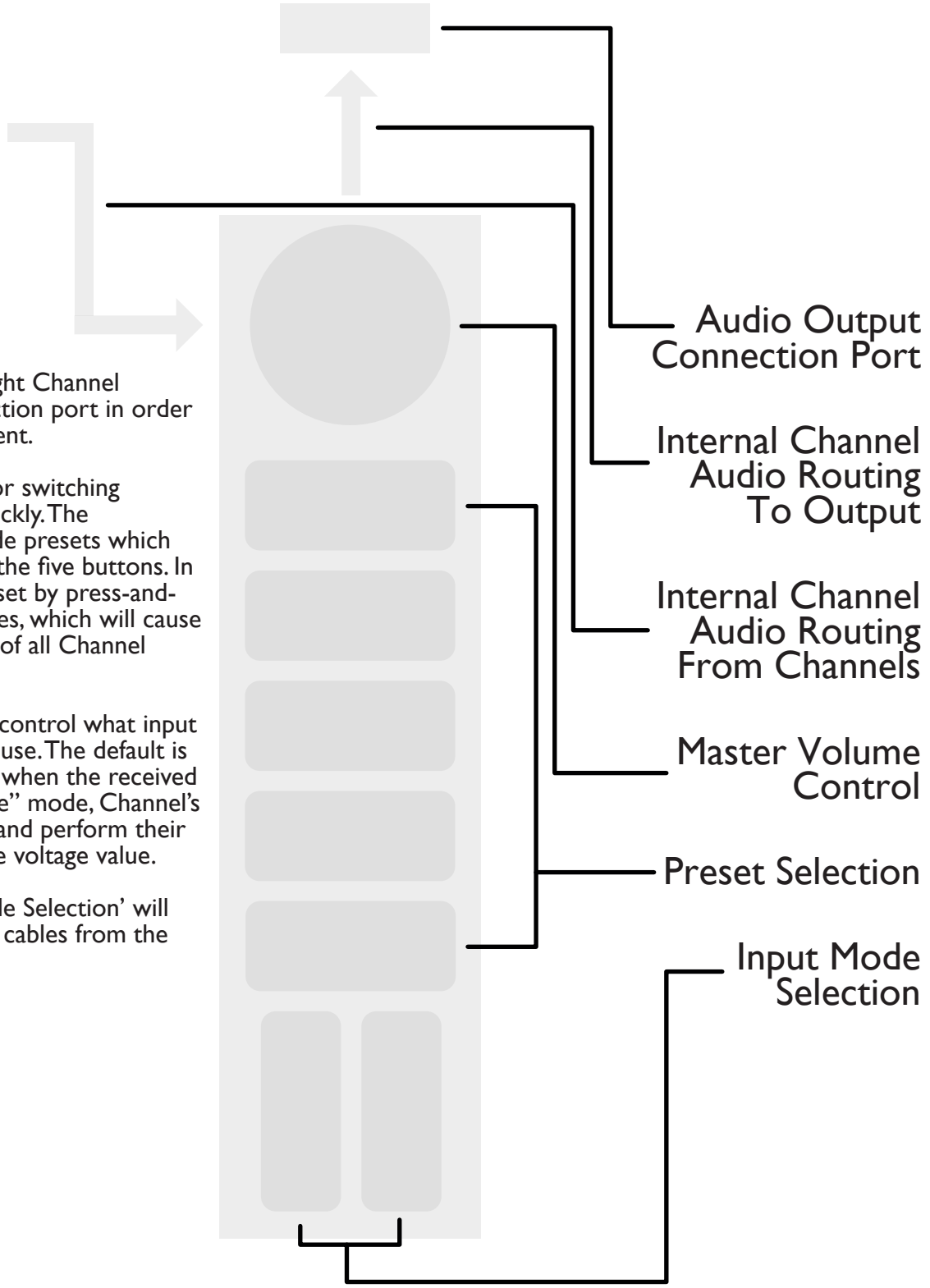
The Control column acts as both an area for performing instrument-wide actions, and as a summing point for all Channel columns.

The 'Master Volume Control' is in-charge of the volume produced from the 'Audio Output Connection Port', which is the sum of all the audio streams from the eight Channel columns. You should use this connection port in order to get all the sounds of the instrument.

The five preset buttons are useful for switching between Channel configurations quickly. The instrument comes with five pre-made presets which you can activate by pressing one of the five buttons. In addition, one can save a custom preset by press-and-holding a preset button until it flashes, which will cause it to hold the current configuration of all Channel dials.

The 'Input Mode Selection' buttons control what input connection types the Channel's will use. The default is "Signal" which activate the Channel when the received transmission is 'on'. While in "Voltage" mode, Channel's will activate on a change in voltage, and perform their sample with a volume defined by the voltage value.

Please note; changing the 'Input Mode Selection' will disconnect any currently connected cables from the bottom of the instrument.



Notes

Appendix A

Table of Sample Bank Names

Name	Sample	Bank
78 bass_1	1	1
78 bass_2	2	1
808 bass_1	3	1
808 bass_2	4	1
808 bass_3	5	1
SP12 bass_1	6	1
SP12 bass_2	7	1
SP12 bass_3	8	1
78 snare_1	1	2
78 snare_2	2	2
808 snare_1	3	2
808 snare_2	4	2
808 snare_3	5	2
SP12 snare_1	6	2
SP12 snare_2	7	2
SP12 snare_3	8	3
78 hat_closed_1	1	3
808 hat_closed_1	2	3
808 hat_closed_2	3	3
SP12 hat_closed_1	4	3
SP12 hat_closed_2	5	3
RetroMachines hat_closed_1	6	3
RetroMachines hat_closed_2	7	3
ModernMachines hat_closed_1	8	3
78 hat_open_1	1	4
78 hat_open_2	2	4
808 hat_open_1	3	4
808 hat_open_2	4	4
SP12 hat_open_1	5	4
SP12 hat_open_2	6	4
RetroMachines hat_open_1	7	4
ModernMachines hat_open_1	8	4
ElectroBump ride	1	5
HitMachine ride	2	5
808 cowbell	3	5
SP12 cowbell	4	5
78 rim	5	5
808 rim	6	5

Name	Sample	Bank
SP12 rim_1	7	5
SP12 rim_2	8	5
SP12 tom_low	1	6
SP12 tom_mid	2	6
SP12 tom_high	3	6
78 maraca	4	6
808 maraca	5	6
78 tamb_1	6	6
78 tamb_2	7	6
78 tamb_3	8	6
78 bongo_low	1	7
78 bongo_mid	2	7
78 bongo_high	3	7
78 gulro_long	4	7
78 gulro_short	5	7
78 gulro_high	6	7
78 clave	7	7
78 metal	8	7
808 clap	1	8
Grimy909 crash	2	8
808 conga_low	3	8
808 conga_mid	4	8
808 conga_high	5	8
SP12 conga_low	6	8
SP12 conga_mid	7	8
SP12 conga_high	8	8

Appendix B

Default Preset Configuration

Preset	Channel	Bank	Sample	Play-Rate	Volume
1	1	1	1	1	1
1	2	2	1	1	1
1	3	3	1	1	1
1	4	4	1	1	1
1	5	8	6	1	1
1	6	8	7	1	1
1	7	7	1	1	1
1	8	8	1	1	1
2	1	1	6	1	1
2	2	2	6	1	1
2	3	3	6	1	1
2	4	4	5	1	1
2	5	5	6	1	1
2	6	6	2	1	1
2	7	6	5	1	1
2	8	6	7	1	1
3	1	1	3	1	1
3	2	2	3	1	1
3	3	3	8	1	1
3	4	4	6	1	1
3	5	5	4	1	1
3	6	6	1	1	1
3	7	6	2	1	1
3	8	6	3	1	1
4	1	1	6	1	1
4	2	2	8	1	1
4	3	3	7	1	1
4	4	4	7	1	1
4	5	5	2	1	1
4	6	5	4	1	1
4	7	6	5	1	1
4	8	8	2	1	1
5	1	8	3	1	1
5	2	8	4	1	1
5	3	8	5	1	1
5	4	7	1	1	1
5	5	7	2	1	1
5	6	7	3	1	1
5	7	5	5	1	1
5	8	8	2	1	1