

Kurzweil PCR-1

Orchestral Expansion Board for the PC2

User's Guide

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K U R Z W E I L
Music Systems

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PCR-1 User's Guide

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PC2 Version 3 Operating System Features

Many of the new features in the Version 3 operating system support the programs and setups in the PCR-1 option. There are several other new features as well, however. This section describes all of the new features, which fall into the following categories:

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GM Control Parameters

PC2s with the Version 3 operating system and the PCR-1 option support General MIDI 1 (GM). You can turn on GM mode and play any GM file using the PC2.



Note: For GM files to play correctly, the GM program set must be present in the PC2—it can be in either ROM (Bank 2, Exp1) or in RAM (Bank 1, User), but it has to be present.

The parameters that control the PC2's GM functions are in the Global menu. There are three of them: General MIDI, GM Bank, and GM FX Scale.

General MIDI

Use this parameter to turn GM mode on and off. Set the value to **On** to activate GM mode; set the value to **Off** to return to normal operation. When you turn your PC2 off, it remembers whether GM mode was on, and starts up in the same state the next time you turn the PC2 on.

You can also activate/deactivate GM mode with a System Exclusive (SysEx) message to the PC2. To turn GM mode on via SysEx, send this message:

F0 7E <device ID> 09 01 F7

The value you use for <device ID> must match the value of the Device ID parameter in the Global menu. By default it's 0, so unless you've changed it, your SysEx message should include 00 for <device ID>. You can also use 7F as the Device ID to broadcast to all receiving instruments.

To turn GM mode off via SysEx, send this message:

F0 7E <device ID> 09 02 F7

What Happens When You Turn GM Mode On

When General MIDI is On, the PC2 sets all MIDI channels (except Channel 10, the Drum channel) to play programs in the bank where the GM programs are stored (Bank 2, Exp1 if you installed the GM programs into ROM, or Bank 1, User if you loaded them into RAM; see *GM Bank* below for more information). Channel 10 plays programs in Bank 7; these are drum programs, with program change numbers reconfigured to match the GM specification.

To ensure the proper dynamic response to GM files, the PC2 adjusts the receive velocities using a specialized touch map. If you have a PC2R, you'll see this value if you select the Touch parameter in the Global menu (it doesn't show up on keyboard models).

Because GM handles effects levels differently, the PC2 scales down the levels of FX A and FX B. You can adjust the amount of scaling manually, using the GM FX Scale parameter (described on page 8).

What Happens When You Turn GM Mode Off

When General MIDI is **Off**, all MIDI channels are reassigned to play Bank 0 (Int), Program 000. The programs in Bank 7 return to their normal configuration; the value of the Touch parameter returns to its former value (which the PC2 remembers if you turn the power off); the effect levels return to their former state.

GM Bank

The GM Bank parameter lets you manually specify the bank where your GM programs are stored. The default value is **Auto**, which means that when you turn GM mode on, the PC2 checks for the GM programs and automatically sets all MIDI channels (except 10) to play programs in the bank where it finds the GM programs. The display shows you which bank is found (Exp1) in the example below, so the display looks like this:

```
Global Settings
GM Bank (Exp1): Auto
```

You'll almost never need to change the default value of **Auto** for GM Bank. In fact, there's only one such case: when you've loaded your GM programs into RAM instead of installing them into ROM, and you've deleted Program 127 **Gunshot** (which is the program the PC2 looks for when it checks to see which bank contains the GM programs). In this case, when you turn GM mode on, the PC2 is unable to select the right bank automatically (and the GM Bank parameter shows **None** in parentheses). Set the value of GM Bank to **User**, forcing the PC2 to play the programs in the User bank. The display still shows **(None)** for GM Bank, but you have access to the GM programs.

GM FX Scale

With this parameter you can control how much the effect levels are reduced when you're in GM mode (which is done to make the effect levels consistent with GM instruments). By default, the value is 25%, which means that the values of Controllers 93 FXAWet and 91 FXBWet are multiplied by .25, and the effects are 75% drier. Increase the value of GM FX Scale to make the effects wetter; reduce it to make them drier.

New Parameters for Displaying Software Versions

The Global menu contains three new parameters:

Int Sound Ver, Exp1 Ver, and Exp2 Ver. These parameters can't be edited; they're there to show the versions of the soundware files installed in your PC2.

Int Sound Ver shows the version of the basic (Internal Voices) soundware objects.

Exp1 Ver shows the version of the PCR-1 soundware file (assuming it's installed in ROM and not loaded in RAM); the value of Exp1 Ver includes either *Orch* or *GM* to indicate which program set is installed in ROM.

Exp2 Ver shows the version of the PCR-2 soundware file (the PCR-2 option is not released as of this printing).

New Demo Features

We've added a few features to the PC2's Demo mode. It's now easier to find and play the demo songs. You can also load the songs into RAM, save (dump) them to an external device (a computer sequencer application, for example), and delete them from RAM.

Playing the Demos

1. Go into Demo mode. On keyboard models, press **Sound Select 14** and **Sound Select 16** at the same time; on rack-mount models, press the **MIDI Receive** and **Global** buttons at the same time. The top line of the display shows **DEMO:** followed by the ID and name of the currently selected demo song.

2. Use the Alpha Wheel or the **Minus** or **Plus** button to select the demo to play.
3. Press **Enter** to play the current song, or **Cancel** to return to a performance mode.

The IDs of the demo sequences correspond to the banks where they're stored:

1–9	Bank 0 (Internal)
10–19	Bank 1 (User)
20–29	Bank 2(Exp1)
30–39	Bank 3 (Exp2) (for future release)

Loading Demos into RAM

You can load PC2 demo songs into RAM by playing them with a sequencer that's connected to the PC2. The demos are specialized .MID files that contain SysEx data. When you play these files with your sequencer, the PC2 recognizes the SysEx data and loads the songs into RAM.

The procedure for loading demos into RAM is similar to that for loading program/setup files into RAM. For details, see *Loading Program/Setup Files Into RAM* below.

On the CD, the demo files are in the folder (directory) called **base_demo** or **pcr1_demo**, which is in the folder called **ram**.

Deleting and Dumping Demos

You can delete demo songs to gain RAM space, and you can dump them to files via SysEx so that you can load them again at a later time without having to use the CD.



Note: The PC2 allows you to select ROM demos and execute the delete function as if you were really deleting the ROM demos. They don't truly get deleted, however. You can actually delete only those demos that you've loaded in RAM.

1. Go into Demo mode. On keyboard models, press **Sound Select 14** and **Sound Select 16** at the same time; on rack-mount models, press the **MIDI Receive** and

Global buttons at the same time. The top line of the display shows **DEMO:** followed by the ID and name of the currently selected demo song.

2. Use the Alpha Wheel or the **Minus** or **Plus** button to select the desired demo. If you're going to dump the demo, make sure you have a MIDI connection between the MIDI Out of the PC2 and the MIDI In of the receiving device.
3. Press **Store** (on keyboard models) or **Edit/Store** (on rack-mount models). The PC2's display asks you if you want to delete the current demo.
4. Skip to Step 5 if you want to dump the demo. Otherwise press **Enter** to delete the demo. When it's gone, the display shows **Deleted!** If you decide not to delete the demo, press **Cancel** instead of **Enter**; this returns you to Demo mode.
5. Press the **Right** cursor button. The display asks if you want to dump the current demo.
6. Press **Enter** to start the dump. On keyboard models, the LED in the **MIDI Xmit** button lights to indicate the data flow. When the dump is finished, the display shows **Demo Dumped!** briefly, then returns to the **Dump Demo?** prompt.

Using Sound Categories (PC2R only)

The PC2R doesn't have the **Sound Select** buttons that are featured on the keyboard models, but you can still make use of the sound categories.

1. Press the **Group/Menu** button to display the list of categories.
2. Use the Alpha Wheel to select a category.
3. Press **Enter**. This selects the first program in the category, and returns the display to normal.

The length of the list of categories depends on which set of programs you've installed in ROM/loaded in RAM. When you install/load the GM set, 16 new categories appear in a continuous block immediately before the User category

(which is near the end of the list). When you install/load the *Orchestral* set, 16 new categories are inserted at different points within the list of *Internal* categories. Unlike the *GM* categories, the *orchestral* categories aren't just inserted in a continuous block; they're organized so that they're listed with similar categories (for example, all the non-*GM* string categories appear next to each other in the list).

Loading Program/Setup Files Into RAM

The set of programs you're going to use most—*Orchestral* or *GM*—is the set you should install in *ROM*. That way the programs/setups will always be available, even if you do a hard reset.

Whichever set you decide to install in *ROM*, you can still have access to the other set of programs, by loading them into *RAM*. This set of programs stays in *RAM* until you load something else into *RAM* or do a hard reset.



Caution: Loading files into *RAM* replaces some or all of the objects already stored there. When you load the *GM* set into *RAM*, it replaces all the programs in the *User* bank. When you load the *Orchestral* set, it replaces all the programs in the *User* bank, as well as *Setups 001–032* in the *User* bank. If you don't want to lose these programs and setups, you should dump (save) them before loading. See your instrument's *User's Guide* for instructions.

1. Connect a *MIDI* cable from the *MIDI Out* of your computer or sequencer to the *MIDI In* of the *PC2*.
2. Insert the *PC2 CD* into the *CD-ROM* drive of your computer or sequencer.
3. Launch your sequencer application if necessary.
4. Save (dump) any programs in the *User* bank that you want to keep, because they'll be erased when you load the *MIDI* file (this also applies to *Setups 001–032* in the *User* bank if you load the *Orchestral* program set).
5. Open the *MIDI* file that you want to load in *RAM*. The *Orchestral* file's name is **ORCHRAM.mid**, and the *GM*

Loading Program/Setup Files Into RAM

file's name is **GMRAM.mid**. Please note that these are not the same files as the ROM versions.

6. Play the MIDI file. The file's contents automatically get loaded in RAM. The LED in the **MIDI Recv** button lights to indicate the data flow.
7. Turn your instrument off, then on again (or do a *soft* reset; *don't* do a hard reset). Always do this when you load one of these files into RAM. This enables the instrument to reinitialize with the proper sound and program information.



Note: If your instrument has the PCX-1 Polyphony Expansion Option, the initialization described in Step 7 takes several seconds. The PC2's display indicates the progress of the initialization.

PCR-1 Orchestral Program Information

General Program Notes

The PCR-1 programs are in Bank 2 (Exp1), and are numbered from 000 to 127.

Most programs respond to common MIDI controller numbers (like 7 Volume, 64 Sustain, 66 Sostenuto, and 67 Soft). When a program has a different response to one or more common controller, the controller information for the program (beginning on page 17) indicates the program's response.

Strings

For programs whose names include **prs**, you can control vibrato rate and depth with Mpress or Mod Wheel.

Programs whose names include **vib** have built-in vibrato. Programs whose names include **p/v** also have a certain amount of built-in vibrato; for these programs you can increase the vibrato rate and depth with Mpress and Mod Wheel.

Woodwinds

Programs whose names include **solo** are designed primarily for single-line playing. Programs with **ens** in their names are designed for playing polyphonically or for single lines in an ensemble context. Unless otherwise indicated, Mpress and Mod Wheel control the vibrato of solo programs. Ensemble programs have built-in vibrato, which you can increase with Mpress and Mod Wheel.

For programs whose names include **slow**, we recommend using the Expression control (MIDI 11) to fade long notes.

GM Drum Kits

There are eight GM drum programs, which are stored in Bank 7. These programs are always available (even if you have installed only the Orchestral program set). When you're in GM mode, the GM drum program change numbers get remapped to comply with the GM specification. They return to their normal program change numbers when you turn GM

mode off. The value of the Drum Remap parameter does not affect these programs, regardless of whether you're in GM mode. The Drum Remap parameter affects only the drum programs that are *not* in Bank 7.

Velocity Triggers (VTrig)

Some programs (such as Program 076 **Pizz & Timp** in the Orchestral set) use velocity triggers (VTrig) to alter their sounds. A VTrig takes effect when you play a note above (or below) a certain volume (attack velocity). Program 076, for example, is pizzicato strings until you play above mezzoforte, when you do, a timpani is added to the pizzicato.

PCR-1 Orchestral Programs

Solo Strings	000	Fast Violin prs	Orch Brass	043	Soft Trumpet
	001	Med Violin vib		044	Slow Soft Trp
	002	Slow Violin p/v		045	Hard Trumpet
	003	Fast Viola prs		046	Slo Hard Trumpet
	004	Med Viola prs		047	Slow Horn & Trp
	005	Slow Viola p/v		048	Solo Fr Horn
	006	Fast Cello prs		049	Ensemble Fr Horn
	007	Med Cello p/v		050	Fr Horn Sect 1
	008	Slow Cello vib		051	Fr Horn Sect 2
	009	Studio Cello		052	Horn Section
	010	Studio Bass		053	Solo Trombone
	011	Recital Bass		054	Ensemble Bone
	012	Slow Bass prs		055	Solo Tuba
String Sections	013	Slow Bass vib	Jazz Brass	056	sfz Orch Tuba
	014	Slow String Orch		057	Jazz Harmon Trp
	015	Studio Strings		058	Ballad Harmon Trp
	016	Chamber Strings		059	sfz Soft Trp Sect
	017	Baroque Strings		060	St Jazz Brass sw
	018	Intense Strings		061	sfz Jazz Brass
	019	Staccato Strings		062	Stereo Brass sw
	020	Fast Tremolando		063	Solo Sax
	021	Med Tremolando		064	Stolen Moments
	022	Slow Tremolando	Orchestra	065	Harmon Band
Woodwinds1	023	Yng Tremolando		066	Slow Dyn Orch
	024	Full Pizzicato		067	Fast Dyn Orch
	025	Medium Pizzicato		068	Total Orch 1
	026	Dry Pizzicato		069	Total Orch 2
	027	Solo Flute prs	Orchestra Ensembles	070	sfz Orch prs
	028	Solo Flute vib		071	Winds & ChmbStr
	029	sfz Ens Flute		072	Winds & Strings
	030	Solo Oboe		073	Horns & Strings
	031	Slow Oboe	Choir	074	Woodwind Section
	032	Ensemble Oboe		075	Reeds & Bells
Woodwinds2	033	Solo Eng Hrn prs		076	Pizz & Timp
	034	English Horn vib		077	Cathedral Choir
	035	Slow EngHorn prs	Organ	078	Ash Choir prs
	036	Solo Clarinet		079	Mixed Choir
	037	Slow Clarinet		080	Choir from Above
	038	Ens Clarinet		081	DivineInterventn
	039	Solo Bassoon		082	Chapel Organ
	040	Solo Bassoon vib		083	Cathedral Organ
	041	Ens Bassoon/Oboe		084	Pipes 16'8',reed
	042	Solo Dbl Reeds		085	Full Pipes

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Harp	086	Orch Harp	Percussion 3	108	Modern Blockage
	087	Stereo Solo Harp		109	Beaty Drum
	088	Harp Oasis		110	Cage's Ensemble
	089	Under Harp		111	New Touch Perc
Guitar	090	Classical Guitar		112	Perc & Blocks
	091	Silky Nylons		113	Puppet Show Perc
	092	Romantic Nylon		114	Pop Can Perc
	093	Mando-Lute		115	Onklungy Perc
Orchestral Percussion 1	094	Orch Chimes		116	Skullophones
	095	Stereo Chimes		117	Exotic Mallets
	096	Chime Bell		118	Acoustic Mbira
	097	Chimes/Glock		119	St Elec Mbira
	098	Glockenspiel		120	Perc Harp
	099	Orch Celeste		121	Pluck & Block
	100	Xylophone		122	Hybrid Pluck
Orchestral Percussion 2	101	Orch Percussion	Percussion 4	123	Bells/Mark Tree
	102	Orch Timpani		124	Circus Glitter
	103	Solo Timpani		125	Swing'n Chimes
	104	Dynamic Timpani		126	Crystal Lagoon
	105	Temple Blocks		127	Clang Clang
	106	Stereo Tam-tam			
	107	Trap Set			

Controllers for PCR-1 Orchestral Programs

Certain physical controllers on the keyboard and rack-mount models have corresponding assignments but different names (for example, Slider A and Green Knob A). In these cases, the keyboard names are followed by the rack mount names.

000 Fast Violin prs

Mod Wheel / Red Knob B	Vibrato rate and depth
Mpress	Vibrato rate and depth
SwitchPdl 2 (Sostenuto, 66)	Increases release time

001 Med Violin vib

This program has no specific controller assignments.

002 Slow Violin p/v

Mod Wheel / Red Knob B	Increases vibrato rate and depth
Mpress	Increases vibrato rate and depth

003 Fast Viola prs

Mod Wheel / Red Knob B	Vibrato rate and depth
Mpress	Vibrato rate and depth
SwitchPdl 2 (Sostenuto, 66)	Increases release time

004 Med Viola prs

Mod Wheel / Red Knob B	Vibrato rate and depth
Mpress	Vibrato rate and depth

005 Slow Viola p/v

Mod Wheel / Red Knob B	Increases vibrato rate and depth
Mpress	Increases vibrato rate and depth

006 Fast Cello prs

Mod Wheel / Red Knob B	Vibrato rate and depth
Mpress	Vibrato rate and depth

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Controllers for PCR-1 Orchestral Programs

007 Med Cello p/v

Mod Wheel / Red Knob B	Increases vibrato rate and depth
Mpress	Increases vibrato rate and depth

008 Slow Cello vib

SwitchPdl 2 (Sostenuto, 66)	Increases release time
-----------------------------	------------------------

009 Studio Cello

SW2 / Amber Swch B (9)	Slightly darker timbre
Mod Wheel / Red Knob B	Vibrato
Mpress	Vibrato
SwitchPdl 3 (Soft 67)	Cuts off sustain/different articulation, staccato

010 Studio Bass

Mod Wheel / Red Knob B	Vibrato
Mpress	Vibrato
SwitchPdl 3 (Soft 67)	Cuts off sustain/different articulation, staccato

011 Recital Bass

Slider D / Green Knob D (13)	Timbre control: slightly brighter
SW5 / Red Switch A (29)	Enables Layer 2 (body resonance)
Mod Wheel / Red Knob B	Vibrato
Mpress	Vibrato
SwitchPdl 3 (Soft 67)	Cuts off sustain/different articulation, staccato

012 Slow Bass prs

Mod Wheel / Red Knob B	Vibrato rate and depth
Mpress	Vibrato rate and depth

013 Slow Bass vib

SwitchPdl 2 (Sostenuto, 66)	Increases release time
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014 Slow String Orch

SW3 / Amber Swch C (12)	Disables Layer 2 (Solo Strings)
Mod Wheel / Red Knob B	Controls expression
Mpress	Controls expression

015 Studio Strings

Mod Wheel / Red Knob B	Controls expression
Mpress	Controls expression

016 Chamber Strings

Slider D / Green Knob D (13)	Controls volume of Layer 3 (string section)
Mod Wheel / Red Knob B	Controls expression
Mpress	Controls expression

017 Baroque Strings

Slider C / Green Knob C (6)	Controls filter
Slider D / Green Knob D (13)	Controls volume of Layer 3 (string section)
Mod Wheel / Red Knob B	Adds tremolo

018 Intense Strings

Slider C / Green Knob C (6)	Amplitude control for Tremolo layer
Slider D / Green Knob D (13)	Increases tremolo sustain
SW3 / Amber Swch C (12)	Disables Layer2 (sustaining strings) and makes it staccato
Mod Wheel / Red Knob B	Amplitude control for Layer 2 (sustaining strings)
SwitchPdl 3 (Soft 67)	Disables Layer2 (sustaining strings) and makes it staccato

019 Staccato Strings

Slider C / Green Knob C (6)	Controls attack envelope when MIDI 12 or Soft pedal is ON
Slider D / Green Knob D (13)	Controls decay rate of velocity-triggered tremolo layer
SW3 / Amber Swch C (12)	Switches from staccato to sustaining
Mod Wheel / Red Knob B	Amplitude control for Layer 1 (tremolo)
SwitchPdl 3 (Soft 67)	Switches from staccato to sustaining
VTrig	Triggers tremolo at forte when MIDI 13 is ON

020 Fast Tremolando

SW5 / Red Switch A (29)	Selects a Sfz/pp version of the program
Mod Wheel / Red Knob B	Controls swell
Mpress	Controls swell

021 Med Tremolando

Mod Wheel / Red Knob B	Controls swell
Mpress	Controls swell

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Controllers for PCR-1 Orchestral Programs

022 Slow Tremolando

SW5 / Red Switch A (29)	Selects a lighter version of the program
Mod Wheel / Red Knob B	Controls expression
Mpress	Controls expression

023 Vtrig Tremolando

Mod Wheel / Red Knob B	Controls expression
Mpress	Controls expression
VTrig	Changes strings to sfz tremolando at fortissimo

024 Full Pizzicato

Slider D / Green Knob D (13)	Shortens decay time
SW5 / Red Switch A (29)	Enables octave doubled layer

025 Medium Pizzicato

Slider D / Green Knob D (13)	Shortens decay time
SW5 / Red Switch A (29)	Enables octave doubled layer

026 Dry Pizzicato

Slider D / Green Knob D (13)	Shortens decay time
SW5 / Red Switch A (29)	Enables octave doubled layer

027 Solo Flute prs

Slider C / Green Knob C (6)	Adds brightness
Slider D / Green Knob D (13)	Shortens attack time
Mod Wheel / Red Knob B	Vibrato rate and depth
Mpress	Vibrato rate and depth

028 Solo Flute vib

Slider C / Green Knob C (6)	Adds brightness
Slider D / Green Knob D (13)	Shortens attack time

029 sfz Ens Flute

Mod Wheel / Red Knob B	Vibrato swell
Mpress	Vibrato swell
Attack velocity	Controls articulation

030 Solo Oboe

Mod Wheel / Red Knob B	Vibrato rate and depth
Mpress	Vibrato rate and depth

031 Slow Oboe

Mod Wheel / Red Knob B	Vibrato rate and depth
Mpress	Vibrato rate and depth

032 Ensemble Oboe

Mod Wheel / Red Knob B	Swell
Mpress	Swell

033 Solo Eng Hrn prs

Mod Wheel / Red Knob B	Vibrato rate and depth
Mpress	Vibrato rate and depth

034 English Horn vib

This program has no specific controller assignments.

035 Slow EngHorn prs

Mod Wheel / Red Knob B	Vibrato rate and depth
Mpress	Vibrato rate and depth

036 Solo Clarinet

Mod Wheel / Red Knob B	Vibrato rate and depth
Mpress	Vibrato rate and depth

037 Slow Clarinet

Mod Wheel / Red Knob B	Vibrato rate and depth; swell
Mpress	Vibrato rate and depth; swell

038 Ens Clarinet

Mod Wheel / Red Knob B	Vibrato swell
Mpress	Vibrato swell

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039 Solo Bassoon

Mod Wheel / Red Knob B	Vibrato rate and depth
Mpress	Vibrato rate and depth

040 Solo Bassoon vib

Mod Wheel / Red Knob B	Swell
Mpress	Swell

041 Ens Bassoon/Oboe

Mod Wheel / Red Knob B	Vibrato swell
Mpress	Vibrato swell

042 Solo Dbl Reeds

Mpress	Vibrato rate and depth
Slider C / Green Knob C (6)	Fades and Dampens
Slider D / Green Knob D (13)	Slows attack

043 Soft Trumpet

Mod Wheel / Red Knob B	Vibrato rate and depth
Mpress	Vibrato rate and depth

044 Slow Soft Trp

Mod Wheel / Red Knob B	Vibrato rate and depth; swell
Mpress	Vibrato rate and depth; swell

045 Hard Trumpet

Mod Wheel / Red Knob B	Vibrato rate and depth
Mpress	Vibrato rate and depth

046 Slo Hard Trumpet

Mod Wheel / Red Knob B	Vibrato rate and depth
Mpress	Vibrato rate and depth

047 Slow Horn & Trp

Mpress	Vibrato rate and depth
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048 Solo Fr Horn

Mod Wheel / Red Knob B	Vibrato rate and depth
Mpress	Vibrato rate and depth

049 Ensemble Fr Horn

Mod Wheel / Red Knob B	Vibrato swell
Mpress	Vibrato swell

050 Fr Horn Sect 1

Mod Wheel / Red Knob B	Swell
Mpress	Swell

051 Fr Horn Sect 2

Mod Wheel / Red Knob B	Slight swell
Mpress	Slight swell

052 Horn Section

Mod Wheel / Red Knob B	Slight swell
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053 Solo Trombone

Mod Wheel / Red Knob B	Vibrato rate and depth
Mpress	Vibrato rate and depth

054 Ensemble Bone

Mod Wheel / Red Knob B	Vibrato swell
Mpress	Vibrato swell

055 Solo Tuba

Mod Wheel / Red Knob B	Vibrato rate and depth
Mpress	Vibrato rate and depth

056 sfz Orch Tuba

Mod Wheel / Red Knob B	Swell
Mpress	Swell

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Controllers for PCR-1 Orchestral Programs

057 Jazz Harmon Trp

Mod Wheel / Red Knob B	Vibrato rate and depth
Mpress	Vibrato rate and depth

058 Ballad Harmon Trp

Mod Wheel / Red Knob B	Vibrato rate and depth
Mpress	Vibrato rate and depth

059 sfz SoftTrp Sect

Mod Wheel / Red Knob B	Putting Mod Wheel partway up changes articulation
Mpress	Controls expression

060 St Jazz Brass sw

SW5 / Red Switch A (29)	Selects a Sfz/pp version of the program
Mod Wheel / Red Knob B	Controls expression
Mpress	Controls expression

061 sfz Jazz Brass

Mod Wheel / Red Knob B	Brightens
Mpress	Brightens

062 Stereo Brass sw

SW5 / Red Switch A (29)	Selects a Sfz/pp version of the program
Mod Wheel / Red Knob B	Controls expression
Mpress	Controls expression

063 Solo Sax

Mod Wheel / Red Knob B	Vibrato rate and depth
Mpress	Vibrato rate and depth

064 Stolen Moments

Mod Wheel / Red Knob B	Controls expression
Mpress	Controls expression

Controllers for PCR-1 Orchestral Programs

065 Harmon Band

SW5 / Red Switch A (29)	Disables harmon trumpet and sax sections
Mod Wheel / Red Knob B	Controls expression
Mpress	Controls expression

066 Slow Dyn Orch

Mod Wheel / Red Knob B	Controls expression
Mpress	Controls expression

067 Fast Dyn Orch

Mod Wheel / Red Knob B	Controls expression
Mpress	Controls expression
VTrig	Triggers timpani, C 2–G 3

068 Total Orch 1

Slider C / Green Knob C (6)	Volume of strings layer
Slider D / Green Knob D (13)	Shortens decay/release time for strings (envelope control)
SW2 / Amber Swch B (9)	Disables reeds in Layer 1 and brass
Mod Wheel / Red Knob B	Vibrato control to 0 for reeds layer
VTrig	Enables Brass
Entry values	MIDI 6 = 127; MIDI 13 = 40
Mpress	Slight swell of reeds

069 Total Orch 2

Slider C / Green Knob C (6)	Volume of strings layer
Slider D / Green Knob D (13)	Envelope swell for strings (envelope control)
SW2 / Amber Swch B (9)	Disables clarinet (Layer1); disables flute (Layer 1); disables timpani and percussion
Mod Wheel / Red Knob B	Vibrato control to 0 for winds
Entry values	MIDI 6 = 127; MIDI 13 = 40
VTrig	Enables timpani and percussion, A 0–G 3

070 sfz Orch prs

Mod Wheel / Red Knob B	Controls swell
Mpress	Controls swell
SwitchPdl 2 (Sostenuto, 66)	Disables brass
VTrig	Triggers timpani at mezzaforte, cymbals at fortissimo, B 1–G 3

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071 Winds & ChmbStr

Mod Wheel / Red Knob B	Controls expression
Mpress	Controls expression

072 Winds & Strings

Mod Wheel / Red Knob B	Controls expression
Mpress	Controls expression

073 Horns & Strings

This program has no specific controller assignments.

074 Woodwind Section

Mod Wheel / Red Knob B	Controls swell
Mpress	Controls swell

075 Reeds & Bells

Mod Wheel / Red Knob B	Controls swell
Mpress	Controls swell

076 Pizz & Timp

VTrig	Triggers timpani at mezzoforte
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077 Cathedral Choir

Slider C / Green Knob C (6)	Lowers filter
Slider D / Green Knob D (13)	Lengthens attack significantly

078 Aah Choir prs

Mod Wheel / Red Knob B	Controls swell
Mpress	Controls swell

079 Mixed Choir

Mod Wheel / Red Knob B	Changes timbre
Slider D / Green Knob D (13)	Envelope control: slows attack
Mpress	Controls filter and amplitude
SwitchPdl 3 (Soft 67)	Disables layers 1 and 2 (full choir)

080 Choir from Above

This program has no specific controller assignments.

081 DivineInterventn

SW5 / Red Switch A (29)	Disables chimes
Mod Wheel / Red Knob B	Controls expression
Mpress	Controls expression

082 Chapel Organ

SW5 / Red Switch A (29)	Adds a bank of reeds
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083 Cathedral Organ

SW5 / Red Switch A (29)	Solos a set of flute pipes
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084 Pipes 16'8',reed

SW5 / Red Switch A (29)	Adds a bank of reeds
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085 Full Pipes

SW5 / Red Switch A (29)	Solos a set of flute pipes
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086 Orch Harp

SW5 / Red Switch A (29)	Selects between Upward gliss and arpeggio samples in lowest octave
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087 Stereo Solo Harp

SW5 / Red Switch A (29)	Adds delay
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088 Harp Oasis

Slider C / Green Knob C (6)	Pitchslide down an octave in delayed harp layer
Slider D / Green Knob D (13)	Timbre control: slightly darker
SW2 / Amber Swch B (9)	Alt start
SW5 / Red Switch A (29)	Enables delayed harp layer
Mod Wheel / Red Knob B	Controls delay rate of second harp layer when MIDI 29 is ON
SwitchPdl 3 (Soft 67)	Silences delayed layer
Entry values	MIDI 29 = 127, Mod Wheel / Red Knob B = 116

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Controllers for PCR-1 Orchestral Programs

089 Under Harp

Slider C / Green Knob C (6)	Moves filter cutoff
Mod Wheel / Red Knob B	Adds filter modulation

090 Classical Guitar

SwitchPdl 3 (Soft 67)	Mutes
Release velocity	Controls finger artifact on note release

091 Silky Nylons

SW2 / Amber Swch B (9)	Alt start
SW3 / Amber Swch C (12)	Switches to a chorused New Age sound
Mod Wheel / Red Knob B	Slightly softer
SwitchPdl 3 (Soft 67)	Mutes

092 Romantic Nylon

Slider C / Green Knob C (6)	Pitchslide up an octave in layer 3 (nylon string gtr)
Slider D / Green Knob D (13)	Pitchslide up an octave in Layer 2 (delayed harp)
SW2 / Amber Swch B (9)	Alt attack of Layer 3 (nylon string gtr)
SW3 / Amber Swch C (12)	Enables layer 1, (lute-like sound); pitchslide up an octave on Layer 3 (nylon string gtr)
SW5 / Red Switch A (29)	Enables delayed harp
Mod Wheel / Red Knob B	Controls delay rate of harp layer when MIDI 29 is ON
SwitchPdl 3 (Soft 67)	Dampens/mutes
Entry values	MIDI 13 = 127; MIDI 29 = 127; Mod Wheel / Red Knob B = 8

093 Mando-Lute

SW2 / Amber Swch B (9)	disables Layer 1 (Nylon String Gtr)
SW3 / Amber Swch C (12)	disables Layer 2 (Steel String Gtr)
SwitchPdl 3 (Soft 67)	Dampens/mutes

094 Orch Chimes

Slider D / Green Knob D (13)	Shortens decay time
SwitchPdl 3 (Soft 67)	Dampens

095 Stereo Chimes

Slider D / Green Knob D (13)	Shortens decay time
SwitchPdl 3 (Soft 67)	Dampens

096 Chime Bell

Slider C / Green Knob C (6)	Pitchslide up an octave in Layer 1
Slider D / Green Knob D (13)	Envelope control: faster decay
SW2 / Amber Swch B (9)	Alt start
SW3 / Amber Swch C (12)	Detunes
SW5 / Red Switch A (29)	Disables Layers 2 and 3
Mod Wheel / Red Knob B	LFO rate control to 0
SwitchPdl 3 (Soft 67)	Dampens

097 Chimes/Glock

Slider D / Green Knob D (13)	Envelope control: shortens decay
SwitchPdl 3 (Soft 67)	Dampens

098 Glockenspiel

Slider C / Green Knob C (6)	Timbre control: duller
Slider D / Green Knob D (13)	Envelope control: quicker decay and release
SW2 / Amber Swch B (9)	Alt start
SW3 / Amber Swch C (12)	Enables reverse trig when sustain pedal is used for executing rolling technique
SW5 / Red Switch A (29)	Enables Layer 3, sine layer for more body.
Mod Wheel / Red Knob B	Pitchslide down two octaves
SwitchPdl 1 (Sustain, 64)	Enables reverse trigger rolling when MIDI 12 is ON
SwitchPdl 3 (Soft 67)	Dampens
Entry values	MIDI 12 = 127

099 Orch Celeste

Slider C / Green Knob C (6)	Brightens
Slider D / Green Knob D (13)	Shortens decay time
Mod Wheel / Red Knob B	Adds tremolo

100 Xylophone

Slider C / Green Knob C (6)	Timbre control: duller
Slider D / Green Knob D (13)	Envelope control: quicker decay and release
SW2 / Amber Swch B (9)	Alt attack
SW3 / Amber Swch C (12)	Enables reverse trig when sustain pedal is used for executing rolling technique
SW5 / Red Switch A (29)	Enables Marimba layer
Mod Wheel / Red Knob B	Slight delay for Marimba layer when MIDI 29 is ON
SwitchPdl 1 (Sustain, 64)	Enables reverse trigger rolling when MIDI 12 is ON
Entry values	MIDI 12 = 127

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101 Orch Percussion

Slider C / Green Knob C (6)	Pitchslide up 850ct
Slider D / Green Knob D (13)	Pitchslide down 850ct
SW2 / Amber Swch B (9)	Alt start
SW3 / Amber Swch C (12)	Disables VTriggered Crash Cym layer
SW5 / Red Switch A (29)	Brighter soft attack of sustained cymbal
Mod Wheel / Red Knob B	Amplitude control
Breath / Red Knob D	Pitchslide up an octave in timpani layer
CCPed2 / Red Knob C	Pitchslide up an octave in timpani layer
SwitchPdl 1 (Sustain, 64)	Opens up VTrig Crash envelope for an Open Crash sound.
SwitchPdl 3 (Soft 67)	Dampens timpani and sustained cymbal layers
Entry values	MIDI 12 = 127, MIDI 29 = 127

102 Orch Timpani

Slider C / Green Knob C (6)	Brightens
Breath / Red Knob D	Pitchslide up an octave
CCPed2 / Red Knob C	Pitchslide up an octave
SwitchPdl 3 (Soft 67)	Dampens

103 Solo Timpani

Slider C / Green Knob C (6)	Envelope control: shorter release
Slider D / Green Knob D (13)	Envelope control: longer release
SW2 / Amber Swch B (9)	Alt start
SW3 / Amber Swch C (12)	Makes soft strikes brighter
SW5 / Red Switch A (29)	Enables pitchbend for Mpress in left-hand section
Breath / Red Knob D	Pitchslide up an octave
CCPed2 / Red Knob C	Pitchslide up an octave
SwitchPdl 3 (Soft 67)	Dampens
Entry values	MIDI 12 = 127

104 Dynamic Timpani

Slider C / Green Knob C (6)	Envelope control: shorter release
Slider D / Green Knob D (13)	Envelope control: longer release
SW2 / Amber Swch B (9)	Alt start
SW3 / Amber Swch C (12)	Makes soft strikes brighter
SW5 / Red Switch A (29)	Enables pitchbend for Mpress in left-hand section
Breath / Red Knob D	Pitchslide up an octave
CCPed2 / Red Knob C	Pitchslide up an octave
SwitchPdl 3 (Soft 67)	Dampens

105 Temple Blocks

This program has no specific controller assignments.

Controllers for PCR-1 Orchestral Programs

106 Stereo Tam-tam

Slider C / Green Knob C (6)	Moves filter cutoff
Mod Wheel / Red Knob B	Adds filter modulation

107 Trap Set

Slider C / Green Knob C (6)	Controls filter
Slider D / Green Knob D (13)	Pitch control
SW2 / Amber Swch B (9)	Controls decay
SW5 / Red Switch A (29)	Alt Start
Mpress	Controls amplitude of long brush stir G 3) and C# 4

108 Modern Blockage

Slider C / Green Knob C (6)	Pitchslide up two octaves in Layer 3
Slider D / Green Knob D (13)	Pitchslide down 600ct in Layer 1
SW2 / Amber Swch B (9)	Alt start
SW3 / Amber Swch C (12)	Disables Layer 4
Breath / Red Knob D	Pitchslide up two octaves in Layer 3
CCPed2 / Red Knob C	Pitchslide up two octaves in Layer 3
SwitchPdl 3 (Soft 67)	Dampens

109 Beaty Drum

Slider D / Green Knob D (13)	Pitch control (not all layers)
SW2 / Amber Swch B (9)	Controls decay
SwitchPdl 3 (Soft 67)	Disables Layers 2 and 3 (perc tones)

110 Cage's Ensemble

This program has no specific controller assignments.

111 New Touch Perc

This program has no specific controller assignments.

112 Perc & Blocks

This program has no specific controller assignments.

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113 Puppet Show Perc

Slider C / Green Knob C (6)	Pitchslide up an octave in Layer 3
Slider D / Green Knob D (13)	Pitchslide up an octave in Layer 4
SW2 / Amber Swch B (9)	All start
SW3 / Amber Swch C (12)	Disables Layer 3
SW5 / Red Switch A (29)	Enables Layer 2
Breath / Red Knob D	Pitchslide up an octave in Layer 3
CCPed2 / Red Knob C (Foot)	Pitchslide up an octave in Layer 3
Entry values	MIDI 29 = 127

114 Pop Can Perc

Slider C / Green Knob C (6)	Pitchslide up an octave in Layer 1
Slider D / Green Knob D (13)	Envelope control: drier
SW2 / Amber Swch B (9)	All start
SW3 / Amber Swch C (12)	Enables Layer 4
SW5 / Red Switch A (29)	Disables Layer 1
Breath / Red Knob D	Pitchslide up an octave in Layer 1
CCPed2 / Red Knob C	Pitchslide up an octave in Layer 1
SwitchPdl 3 (Soft 67)	Mutes
Entry values	MIDI 12 = 127

115 Onklungy Perc

Slider C / Green Knob C (6)	Pitchslide up an octave in Layer 3
Slider D / Green Knob D (13)	Envelope control: drier
SW2 / Amber Swch B (9)	Enables Layer 4 filtersnap
SW3 / Amber Swch C (12)	Pitch shift up an octave in Layer 2
SW5 / Red Switch A (29)	Disables Layer 1
Mod Wheel / Red Knob B	Disables Temple Block layer
SwitchPdl 3 (Soft 67)	All start
Entry values	MIDI 13 = 25

116 Skullophones

Slider C / Green Knob C (6)	Pitchslide up an octave in Layer 2
Slider D / Green Knob D (13)	Pitchslide up 1600ct in Layer 3
SW2 / Amber Swch B (9)	Disables Layer 2
SW3 / Amber Swch C (12)	Disables Layer 1
SW5 / Red Switch A (29)	Enables Layer3; disables Layer 4
Mod Wheel / Red Knob B	All attack
Breath / Red Knob D	Pitchslide up an octave in Layer 2
CCPed2 / Red Knob C	Pitchslide up an octave in Layer 2
SwitchPdl 3 (Soft 67)	Mutes
Entry values	MIDI 29 = 127

117 Exotic Mallets

SW5 / Red Switch A (29)	Solos bell
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118 Acoustic Mbira

Slider D / Green Knob D (13)	Shortens decay time
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119 St Elec Mbira

Slider D / Green Knob D (13)	Shortens decay time
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120 Perc Harp

This program has no specific controller assignments.

121 Pluck & Block

This program has no specific controller assignments.

122 Hybrid Pluck

SW5 / Red Switch A (29)	Adds delayed attack
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123 Bells/Mark Tree

Slider C / Green Knob C (6)	Pitchslide up an octave in Layers 2 and 3
Slider D / Green Knob D (13)	Pitchslide up an octave in Layers 1 and 4
SW2 / Amber Swch B (9)	Envelope control: slow attack
SW3 / Amber Swch C (12)	Pitch shift down an octave in Layer 4, D 6 and higher
SW5 / Red Switch A (29)	Disables Layer 2
Mod Wheel / Red Knob B	LFO rate control to 0
SwitchPdl 3 (Soft 67)	Dampens

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124 Circus Glitter

Slider C / Green Knob C (6)	Pitchslide up two octaves in sine layer
Slider D / Green Knob D (13)	Envelope control: quicker decay/release
SW2 / Amber Swch B (9)	Alt attack
SW3 / Amber Swch C (12)	Enables pizzicato layer
SW5 / Red Switch A (29)	Enables triangle layer
Mod Wheel / Red Knob B	Pitchslide up an octave in glockenspiel layer
Breath / Red Knob D	Pitchslide up two octaves in sine layer
CCPed2 / Red Knob C	Pitchslide up two octaves in sine layer
SwitchPdl 3 (Soft 67)	Dampens
Entry values	MIDI 29 = 127

125 Swing'n Chimes

Slider C / Green Knob C (6)	Pitchslide up two octaves in Layer 1 up an octave in Layer 2
Slider D / Green Knob D (13)	Pitchslide up two octaves in Layer 3
SW2 / Amber Swch B (9)	Envelope control: slow attack
SW3 / Amber Swch C (12)	Disables glockenspiel layer
SW5 / Red Switch A (29)	Disables chimes layer
Mod Wheel / Red Knob B	LFO rate control to 0
Breath / Red Knob D	Pitchslide up two octaves in Layer 1 up an octave in Layer 2
CCPed2 / Red Knob C	Pitchslide up two octaves in Layer 1 up an octave in Layer 2
SwitchPdl 3 (Soft 67)	Dampens

126 Crystal Lagoon

Slider C / Green Knob C (6)	Pitchslide up 700ct in Glockenspiel layer
Slider D / Green Knob D (13)	Envelope control: quicker decay/release
SW2 / Amber Swch B (9)	Transposes Layers 1 and 2 down two octaves
SW3 / Amber Swch C (12)	Alt attack
SW5 / Red Switch A (29)	Disables glockenspiel layer
Mod Wheel / Red Knob B	Detunes
Breath / Red Knob D	Pitchslide up 700ct in Glockenspiel layer
CCPed2 / Red Knob C	Pitchslide up 700ct in Glockenspiel layer
SwitchPdl 3 (Soft 67)	Dampens
Entry values	MIDI 13 = 40; MIDI 9 = 127

127 Clang Clang

Slider C / Green Knob C (6)	Brightens
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PCR-1 Orchestrated Setup Information

The following tables include descriptions of the program and controller assignments for each zone in the PCR-1 option's 32 setups.

There's a separate table for each setup. Each table lists 24 setup features (zone status, MIDI channel, program assignment, and several controller assignments), and shows how these features are used in each of the setup's four zones.

Certain physical controllers on the keyboard and rack-mount models have corresponding assignments but different names—for example, Slider A and Green Knob A. In these cases, the keyboard names are followed by the rack-mount names.

The program assignment for each zone (the third row in each table) looks like the following example:

2:068

Total Orch 1

The first numeral indicates the bank number—Bank 2 (Exp1) in the example above. The second numeral (following the colon) is the program's ID—the number you'll see in the display when you select that program. The program's name follows the bank number and ID.

257 Royal Orchestra

Setup Feature	Zones			
	Zone 1	Zone 2	Zone 3	Zone 4
Zone Status	Play	Play	Play	Play
MIDI Channel	1	2	3	4
Program	2:068 Total Orch 1	2:069 Total Orch 2	2:086 Orch Harp	2:104 Dynamic Timpani
Wheel 1 Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down
Wheel 2/Red Knob B	Expression (softer)	Expression (softer)	Expression (Brings in harp)	None
MPressure	Vibrato	None	None	Timpani roll, C 2–G 3
Slider A/Green Knob A	93 FXAWet	93 XAWet	93 FXAWet	None
Slider B/Green Knob B	91 FXBWet	91 FXBWet	None	None
Slider C/Green Knob C	6 Data; Strings volume	6 Data; Strings volume	None	None
Slider D/Green Knob D	13; Envelope	13; Envelope	None	None
Pedal 1	None	None	None	None
Pedal 2/Red Knob C	None	None	None	None
Breath / Red Knob D	None	None	None	None
Ribbon 1	None	None	None	None
Ribbon 2	None	None	None	None
Ribbon 3	None	None	None	None
SW1/Amber Swch A	None	None	None	Trans Down
SW2/Amber Swch B	None	None	None	None
SW3/Amber Swch C	None	None	None	None
SW4/Amber Swch D	None	None	None	116 ArpOn
SW5/Red Switch A	None	None	MIDI 29; Harp gliss ptr	None
SwitchPdl 1	64 Sustain	64 Sustain	64 Sustain	64 Sustain
SwitchPdl 2	66 Sosten	66 Sosten	64 Sustain	64 Sustain
SwitchPdl 3	MIDI 9; mutes winds	MIDI 9; mutes winds	87 Soft	None
VTng	Brass	Percussion, Timpani, A 0–G 3	None	None

258 Orch & Choir MW

Setup Feature	Zones			
	Zone 1	Zone 2	Zone 3	Zone 4
Zone Status	Play	Play	Play	Play
MIDI Channel	1	2	3	4
Program	2:068 Total Orch 1	2:069 Total Orch 2	2:081 DivineInterventn	2:079 Mixed Choir
Wheel 1 Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down
Wheel 2/Red Knob B	11 Express (softer)	11 Express (softer)	11 Express (louder)	11 Express (louder)
MPressure	Slight swell	None	None	Slight swell
Slider A/Green Knob A	91 FXBWet	91 FXBWet	91 FXBWet	None
Slider B/Green Knob B	None	None	None	93 FXAWet
Slider C/Green Knob C	6 Data, enables Strings	None	None	None
Slider D/Green Knob D	13; shortens String release	13; alt String envelope	None	None
Pedal 1	11 Express (softer)	11 Express (softer)	11 Express (louder)	11 Express (louder)
Pedal 2/Red Knob C	None	None	None	None
Breath/Red Knob D	None	None	None	None
Ribbon 1	None	None	None	None
Ribbon 2	None	None	None	None
Ribbon 3	None	None	None	None
SW1/Amber Swch A	None	None	None	None
SW2/Amber Swch B	None	None	None	None
SW3/Amber Swch C	None	None	None	None
SW4/Amber Swch D	None	None	None	None
SW5/Red Switch A	None	None	None	None
SwitchPdl 1	64 Sustain	64 Sustain	None	64 Sustain
SwitchPdl 2	66 Sosten	66 Sosten	64 Sustain	66 Sosten
SwitchPdl 3	9 (disables Winds)	9 (disables Winds)	67 Soft (duller Strings)	67 Soft (disables high choir)
VTrig	None	None	Enables zone	None

259 At The Symphony

Setup Feature	Zones			
	Zone 1	Zone 2	Zone 3	Zone 4
Zone Status	Play	Play	Play	Off
MIDI Channel	1	2	3	Off
Program	2:066 Slow Dyn Orch	2:047 Slow Horn & Trp	2:102 Orch Timpani	None
Wheel 1 Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down
Wheel 2/Red Knob B	None	None	None	None
MPressure	Slight swell	Slight swell	None	None
Slider A/Green Knob A	93 FXAWet	None	None	None
Slider B/Green Knob B	None	93 FXAWet	None	None
Slider C/Green Knob C	None	None	91 FXBWet	None
Slider D/Green Knob D	None	None	None	None
Pedal 1	None	None	None	None
Pedal 2/Red Knob C	None	None	None	None
Breath/Red Knob D	None	None	None	None
Ribbon 1	None	None	None	None
Ribbon 2	None	None	None	None
Ribbon 3	None	None	None	None
SW1/Amber Swch A	Trans Down	Trans Down	Trans Down	None
SW2/Amber Swch B	None	None	None	None
SW3/Amber Swch C	None	None	None	None
SW4/Amber Swch D	None	None	None	None
SW5/Red Switch A	None	None	None	None
SwitchPdl 1	64 Sustain	64 Sustain	64 Sustain	64 Sustain
SwitchPdl 2	66 Sosten	66 Sosten	66 Sosten	66 Sosten
SwitchPdl 3	None	None	None	None
VTrig	None	None	Enables zone	None

260 Trem & Clarinet

Setup Feature	Zones			
	Zone 1	Zone 2	Zone 3	Zone 4
Zone Status	Play	Play	Play	Off
MIDI Channel	1	2	3	Off
Program	2:022 Slow Tremolando	2:016 Chamber Strings	2:036 Solo Clarinet	None
Wheel 1 Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down
Wheel 2/Red Knob B	1 MW; Swell	1 MW; Swell	1 MW; Vibrato	None
MPressure	Swell	Swell	Vibrato	None
Slider A/Green Knob A	11 Express	None	None	None
Slider B/Green Knob B	93 FXAWet	93 FXAWet	93 FXAWet	None
Slider C/Green Knob C	92 FXABWet	92 FXABWet	92 FXABWet	None
Slider D/Green Knob D	None	None	None	None
Pedal 1	11 Express	None	None	None
Pedal 2/Red Knob C	None	None	None	None
Breath/Red Knob D	None	None	None	None
Ribbon 1	None	None	None	None
Ribbon 2	None	None	None	None
Ribbon 3	None	None	None	None
SW1/Amber Swch A	Trans Up	None	None	None
SW2/Amber Swch B	None	None	None	None
SW3/Amber Swch C	None	None	None	None
SW4/Amber Swch D	None	None	None	None
SW5/Red Switch A	None	None	None	None
SwitchPdl 1	64 Sustain	64 Sustain	64 Sustain	64 Sustain
SwitchPdl 2	66 Sosten	66 Sosten	66 Sosten	66 Sosten
SwitchPdl 3	None	None	None	None

261 *Compassion*

Setup Feature	Zones			
	Zone 1	Zone 2	Zone 3	Zone 4
Zone Status	Play	Play	Mute	Off
MIDI Channel	1	2	3	Off
Program	0:071 Phantom Strings	2:077 Cathedral Choir	0:063 Williams Brass	None
Wheel 1 Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down
Wheel 2/Red Knob B	None	None	None	None
MPressure	None	None	None	None
Slider A/Green Knob A	91 FXBWet	None	None	None
Slider B/Green Knob B	None	91 FXBWet	None	None
Slider C/Green Knob C	6; Duller	None	91 FXBWet	None
Slider D/Green Knob D	13; quicker env	None	None	None
Pedal 1	None	None	None	None
Pedal 2/Red Knob C	None	None	None	None
Breath/Red Knob D	None	None	None	None
Ribbon 1	None	None	None	None
Ribbon 2	None	None	None	None
Ribbon 3	None	None	None	None
SW1/Amber Swch A	None	Trans Up	None	None
SW2/Amber Swch B	None	None	None	None
SW3/Amber Swch C	None	None	None	None
SW4/Amber Swch D	None	None	None	None
SWS/Red Switch A	29; disables low octave String layer	None	None	None
SwitchPdl 1	64 Sustain	64 Sustain	64 Sustain	None
SwitchPdl 2	66 Sosten	66 Sosten	66 Sosten	None
SwitchPdl 3	None	None	None	None

262 Vox of Humanity

Setup Feature	Zones			
	Zone 1	Zone 2	Zone 3	Zone 4
Zone Status	Mute	Play	Play	Mute
MIDI Channel	1	2	3	4
Program	2:077 Cathedral Choir	2:079 Mixed Choir	0:079 Cathedral Vox	2:077 Cathedral Choir
Wheel 1 Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down
Wheel 2/Red Knob B	None	1 MW; duller	1 MW; softer	None
MPressure	None	Swell	None	None
Slider A/Green Knob A	93 FXAWet	None	None	93 FXAWet
Slider B/Green Knob B	None	91 FXBWet	91 FXBWet	None
Slider C/Green Knob C	None	None	None	None
Slider D/Green Knob D	None	None	None	None
Pedal 1	None	None	None	None
Pedal 2/Red Knob C	None	None	None	None
Breath/Red Knob D	None	None	None	None
Ribbon 1	None	None	None	None
Ribbon 2	None	None	None	None
Ribbon 3	None	None	None	None
SW1/Amber Swch A	Trans Up	Trans Up	Trans Down	Trans Up
SW2/Amber Swch B	None	None	None	None
SW3/Amber Swch C	None	None	None	None
SW4/Amber Swch D	None	None	None	None
SW5/Red Switch A	None	None	None	None
SwitchPdl 1	64 Sustain	64 Sustain	64 Sustain	64 Sustain
SwitchPdl 2	66 Sosten	66 Sosten	66 Sosten	66 Sosten
SwitchPdl 3	None	None	None	None

263 Fanfare

Setup Feature	Zones			
	Zone 1	Zone 2	Zone 3	Zone 4
Zone Status	Play	Mute	Play	Play
MIDI Channel	1	2	3	4
Program	2:104 Dynamic Timpani	2:062 Stereo Brass sw	0:058 Split Section	2:101 Orch Percussion
Wheel 1 Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down
Wheel 2/Red Knob B	None	None	None	1 MW; swell
MPressure	None	None	None	None
Slider A/Green Knob A	92 FXBWet	None	None	None
Slider B/Green Knob B	None	None	None	None
Slider C/Green Knob C	None	None	91 FXBWet	None
Slider D/Green Knob D	13; longer release	None	None	None
Pedal 1	4 Foot; pitchslide 7 ST	None	None	None
Pedal 2/Red Knob C	None	None	None	None
Breath/Red Knob D	None	None	None	None
Ribbon 1	None	None	None	None
Ribbon 2	None	None	None	None
Ribbon 3	None	None	None	None
SW1/Amber Swch A	Trans Down	Trans Down	None	None
SW2/Amber Swch B	None	None	None	None
SW3/Amber Swch C	12; brightens timbre	None	None	None
SW4/Amber Swch D	None	None	None	None
SW5/Red Switch A	None	None	None	None
SwitchPdl 1	None	64 Sustain	64 Sustain	None
SwitchPdl 2	None	66 Sustain	66 Sustain	64 Sustain
SwitchPdl 3	67 Soft; dampens	None	None	None

264 Holiday Cheers

Setup Feature	Zones			
	Zone 1	Zone 2	Zone 3	Zone 4
Zone Status	Mute	Play	Play	Play
MIDI Channel	1	2	3	4
Program	2:077 Cathedral Choir	6:063 Classical Brass	2:017 Baroque Strings	2:097 Chimes/Glock
Wheel 1 Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down
Wheel 2/Red Knob B	None	None	None	None
MPressure	None	None	Swell	None
Slider A/Green Knob A	91 FXBWet	None	None	None
Slider B/Green Knob B	None	93 FXAWet	None	None
Slider C/Green Knob C	None	None	91 FXBWet	None
Slider D/Green Knob D	None	None	None	91 FXBWet
Pedal 1	None	None	None	None
Pedal 2/Red Knob C	None	None	None	None
Breath/Red Knob D	None	None	None	None
Ribbon 1	None	None	None	None
Ribbon 2	None	None	None	None
Ribbon 3	None	None	None	None
SW1/Amber Swch A	None	None	None	Trans Up
SW2/Amber Swch B	None	None	None	None
SW3/Amber Swch C	None	None	12; Enables solo String layer	None
SW4/Amber Swch D	None	None	None	None
SW5/Red Switch A	None	None	None	None
SwitchPdl 1	64 Sustain	64 Sustain	64 Sustain	64 Sustain
SwitchPdl 2	66 Sosten	66 Sosten	66 Sosten	66 Sosten
SwitchPdl 3	None	None	None	None
VTrig	None	None	None	Enables zone

265 Classic Trumpet

Setup Feature	Zones			
	Zone 1	Zone 2	Zone 3	Zone 4
Zone Status	Play	Play	Mute	Mute
MIDI Channel	1	2	3	4
Program	6:065 Emotional String	2:045 Hard Trumpet	6:065 Emotional String	0:043 Harpichord
Wheel 1 Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down
Wheel 2/Red Knob B	None	1 MW, vibrato	None	None
MPressure	None	Swell	None	None
Slider A/Green Knob A	91 FXBWet	None	91 FXBWet	91 FXBWet
Slider B/Green Knob B	None	91 FXBWet	None	None
Slider C/Green Knob C	6 Data; duller timbre	None	6; Duller	None
Slider D/Green Knob D	None	None	None	None
Pedal 1	None	None	None	None
Pedal 2/Red Knob C	None	None	None	None
Breath/Red Knob D	None	None	None	None
Ribbon 1	None	None	None	None
Ribbon 2	None	None	None	None
Ribbon 3	None	None	None	None
SW1/Amber Swch A	None	Trans Down	None	None
SW2/Amber Swch B	None	Go to Prog 45/ 43 (toggle)	None	None
SW3/Amber Swch C	None	None	None	None
SW4/Amber Swch D	None	None	None	None
SW5/Red Switch A	None	None	None	None
SwitchPdl 1	64 Sustain	None	64 Sustain	64 Sustain
SwitchPdl 2	66 Sustain	None	66 Sustain	66 Sustain
SwitchPdl 3	None	None	None	None

266 Flute & Oboe

Setup Feature	Zones			
	Zone 1	Zone 2	Zone 3	Zone 4
Zone Status	Play	Play	Play	Off
MIDI Channel	1	2	3	Off
Program	6:065 Emotional String	2:032 Ensemble Oboe	2:028 Solo Flute vib	None
Wheel 1 Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down
Wheel 2/Red Knob B	None	1 MW; swell/ more vibrato	None	None
MPressure	None	Swell/more vibrato	None	None
Slider A/Green Knob A	91 FXBWet	91 FXBWet	None	None
Slider B/Green Knob B	None	None	93 FXAWet	None
Slider C/Green Knob C	6 Data; duller	None	None	None
Slider D/Green Knob D	None	None	92 FXABWet	None
Pedal 1	None	None	None	None
Pedal 2/Red Knob C	None	None	None	None
Breath/Red Knob D	None	None	None	None
Ribbon 1	None	None	None	None
Ribbon 2	None	None	None	None
Ribbon 3	None	None	None	None
SW1/Amber Swch A	None	None	Trans Up	None
SW2/Amber Swch B	None	None	None	None
SW3/Amber Swch C	None	None	None	None
SW4/Amber Swch D	None	None	None	None
SW5/Red Switch A	None	None	None	None
SwitchPdl 1	64 Sustain	None	None	64 Sustain
SwitchPdl 2	66 Sosten	None	None	None
SwitchPdl 3	None	None	None	None

267 Lyrical Song

Setup Feature	Zones			
	Zone 1	Zone 2	Zone 3	Zone 4
Zone Status	Play	Play	Mute	Off
MIDI Channel	1	2	3	4
Program	6:065 Emotional String	2:008 Slow Cello vib	6:065 Emotional String	None
Wheel 1 Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down
Wheel 2/Red Knob B	None	None	None	None
MPressure	None	None	None	None
Slider A/Green Knob A	93 FXAWet	None	93 FXAWet	None
Slider B/Green Knob B	None	93 FXAWet	None	None
Slider C/Green Knob C	6 Data (duller)	None	None	None
Slider D/Green Knob D	92 FXABWet	92 FXABWet	92 FXABWet	None
Pedal 1	None	None	None	None
Pedal 2/Red Knob C	None	None	None	None
Breath/Red Knob D	None	None	None	None
Ribbon 1	None	None	None	None
Ribbon 2	None	None	None	None
Ribbon 3	None	None	None	None
SW1/Amber Swch A	None	Trans Down	None	None
SW2/Amber Swch B	None	Go to Prog B/ 32 (toggle)	None	None
SW3/Amber Swch C	None	None	None	None
SW4/Amber Swch D	None	None	None	None
SW5/Red Switch A	None	None	None	None
SwitchPdI 1	64 Sustain	None	64 Sustain	64 Sustain
SwitchPdI 2	66 Sosten	None	66 Sosten	None
SwitchPdI 3	67, alt String envelope	None	None	None

268 Harp / Flute

Setup Feature	Zones			
	Zone 1	Zone 2	Zone 3	Zone 4
Zone Status	Play	Play	Mute	Mute
MIDI Channel	1	2	3	4
Program	2:086 Orch Harp	2:028 Solo Flute vib	2:098 Glockenspiel	0:099 12 String Guitar
Wheel 1 Up/Down	Pitch Up/ Down	Pitch Up/ Down	Pitch Up/Down	Pitch Up/Down
Wheel 2/Red Knob B	None	None	None	None
MPressure	None	None	None	None
Slider A/Green Knob A	93 FXAWet	None	None	None
Slider B/Green Knob B	None	91 FXBWet	None	None
Slider C/Green Knob C	None	None	93 FXAWet	None
Slider D/Green Knob D	None	None	None	91 FXBWet
Pedal 1	None	None	None	None
Pedal 2/Red Knob C	None	None	None	None
Breath/Red Knob D	None	None	None	None
Ribbon 1	None	None	None	None
Ribbon 2	None	None	None	None
Ribbon 3	None	None	None	None
SW1/Amber Swch A	Trans Down	Trans Down	Trans Up	Trans Up
SW2/Amber Swch B	None	None	None	None
SW3/Amber Swch C	None	None	None	None
SW4/Amber Swch D	None	None	None	None
SW5/Red Switch A	None	None	None	None
SwitchPdl 1	64 Sustain	None	64 Sustain	64 Sustain
SwitchPdl 2	64 Sustain	66 Sosten	None	None
SwitchPdl 3	None	None	67 Soft; dampens	None

269 Go Baroque

Setup Feature	Zones			
	Zone 1	Zone 2	Zone 3	Zone 4
Zone Status	Mute	Play	Play	Off
MIDI Channel	1	2	3	Off
Program	2:015 Studio Strings	0:043 Harpsichord	0:055 Pipe Organ	None
Wheel 1 Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down
Wheel 2/Red Knob B	11 Express	None	None	None
MPressure	Slight swell	None	None	None
Slider A/Green Knob A	93 FXAWet	None	None	None
Slider B/Green Knob B	None	93 FXAWet	None	None
Slider C/Green Knob C	None	None	93 FXAWet	None
Slider D/Green Knob D	None	None	None	None
Pedal 1	11 Express	None	None	None
Pedal 2/Red Knob C	None	None	None	None
Breath/Red Knob D	None	None	None	None
Ribbon 1	None	None	None	None
Ribbon 2	None	None	None	None
Ribbon 3	None	None	None	None
SW1/Amber Swch A	Trans Down	Trans Down	Trans Down	None
SW2/Amber Swch B	None	None	None	None
SW3/Amber Swch C	None	None	None	None
SW4/Amber Swch D	None	None	None	None
SW5/Red Switch A	None	None	None	None
SwitchPd1 1	64 Sustain	64 Sustain	64 Sustain	64 Sustain
SwitchPd1 2	66 Sosten	66 Sosten	66 Sosten	66 Sosten
SwitchPd1 3	None	None	None	None

270 Church Organ

Setup Feature	Zones			
	Zone 1	Zone 2	Zone 3	Zone 4
Zone Status	Play	Play	Play	Play
MIDI Channel	1	2	3	4
Program	2:085 Full Pipes	2:082 Chapel Organ	2:094 Orch Chimes	2:085 Full Pipes
Wheel 1 Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down
Wheel 2/Red Knob B	None	None	None	11 Express
MPressure	None	None	None	None
Slider A/Green Knob A	93 FXAWet	None	None	None
Slider B/Green Knob B	11 Express	None	None	None
Slider C/Green Knob C	6 Data, brightness	11 Express	None	None
Slider D/Green Knob D	None	None	11 Express	None
Pedal 1	None	None	None	11 Express
Pedal 2/Red Knob C	None	None	None	None
Breath/Red Knob D	None	None	None	None
Ribbon 1	None	None	None	None
Ribbon 2	None	None	None	None
Ribbon 3	None	None	None	None
SW1/Amber Swch A	Trans Down	Trans Down	Trans Up	Trans Up
SW2/Amber Swch B	None	None	None	None
SW3/Amber Swch C	None	None	None	None
SW4/Amber Swch D	None	None	None	None
SW5/Red Switch A	29; enables Flutey Pipes	None	None	None
SwitchPdl 1	64 Sustain	64 Sustain	64 Sustain	64 Sustain
SwitchPdl 2	66 Sosten	66 Sosten	66 Sosten	66 Sosten
SwitchPdl 3	None	None	67 Soft	None

271 Pipes & Pads

Setup Feature	Zones			
	Zone 1	Zone 2	Zone 3	Zone 4
Zone Status	Play	Play	Mute	Mute
MIDI Channel	1	2	3	4
Program	6:088 Poseidon	2:084 Pipes 16'8";reed	2:087 Stereo Solo Harp	2:083 Cathedral Organ
Wheel 1 Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down
Wheel 2/Red Knob B	91 FXBWet	91 FXBWet	931 FXAWet	91 FXBWet
MPressure	LFO	None	None	None
Slider A/Green Knob A	11 Express	None	None	None
Slider B/Green Knob B	None	11 Express	None	None
Slider C/Green Knob C	None	None	11 Express	None
Slider D/Green Knob D	None	None	None	11 Express
Pedal 1	None	None	None	None
Pedal 2/Red Knob C	None	None	None	None
Breath/Red Knob D	None	None	None	None
Ribbon 1	None	None	None	None
Ribbon 2	None	None	None	None
Ribbon 3	None	None	None	None
SW1/Amber Swch A	10 Pan (toggle)	MIDI 10 Pan (toggle)	None	None
SW2/Amber Swch B	None	None	None	None
SW3/Amber Swch C	None	None	None	None
SW4/Amber Swch D	116 ArpOn	None	None	None
SW5/Red Switch A	None	None	None	29; enables pipes
SwitchPdl 1	64 Sustain	64 Sustain	64 Sustain	64 Sustain
SwitchPdl 2	66 Sustain	66 Sustain	64 Sustain	66 Sustain
SwitchPdl 3	None	119; Latch1	119; Latch1	None

272 Oom Pah Pah 2

Setup Feature	Zones			
	Zone 1	Zone 2	Zone 3	Zone 4
Zone Status	Play	Play	Play	Off
MIDI Channel	1	2	3	Off
Program	2:056 sfz Orch Tuba	2:038 Ens Clarinet	0:046 Accordion	None
Wheel 1 Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down
Wheel 2/Red Knob B	None	1 MW; swell	1 MW; swell	None
MPressure	Swell	Swell	Swell	None
Slider A/Green Knob A	93 FXAWet	None	None	None
Slider B/Green Knob B	None	91 FXBWet	None	None
Slider C/Green Knob C	None	None	91 FXBWet	None
Slider D/Green Knob D	92 FXABWet	None	None	None
Pedal 1	None	None	None	None
Pedal 2/Red Knob C	None	None	None	None
Breath/Red Knob D	None	None	None	None
Ribbon 1	None	None	None	None
Ribbon 2	None	None	None	None
Ribbon 3	None	None	None	None
SW1/Amber Swch A	None	Trans Down	Trans Down	None
SW2/Amber Swch B	None	None	None	None
SW3/Amber Swch C	None	None	None	None
SW4/Amber Swch D	None	None	None	None
SW5/Red Switch A	None	None	None	None
SwitchPdl 1	None	None	64 Sustain	64 Sustain
SwitchPdl 2	66 Sosten	None	None	None
SwitchPdl 3	None	None	None	None

273 The Romancer

Setup Feature	Zones			
	Zone 1	Zone 2	Zone 3	Zone 4
Zone Status	Play	Play	Off	Off
MIDI Channel	1	2	Off	Off
Program	2:091 Silky Nylons	0:088 Rez Aah Pad	0:109 Fret Not Bass	None
Wheel 1 Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down
Wheel 2/Red Knob B	1 MW, duller	None	None	None
MPressure	None	None	None	None
Slider A/Green Knob A	93 FXAWet	None	93 FXAWet	None
Slider B/Green Knob B	None	11 Express	None	None
Slider C/Green Knob C	None	91 FXBWet	None	None
Slider D/Green Knob D	None	None	None	None
Pedal 1	None	11 Express	None	None
Pedal 2/Red Knob C	None	None	None	None
Breath/Red Knob D	None	None	None	None
Ribbon 1	None	None	None	None
Ribbon 2	None	None	None	None
Ribbon 3	None	None	None	None
SW1/Amber Swch A	None	Trans Up	Trans Down	None
SW2/Amber Swch B	9; Alt Attack (toggle)	None	None	None
SW3/Amber Swch C	12; enable chorus layer (toggle)	None	None	None
SW4/Amber Swch D	None	None	None	None
SW5/Red Switch A	None	None	None	None
SwitchPdl 1	64 Sustain	66 Sosten	64 Sustain	64 Sustain
SwitchPdl 2	66 Sosten	None	66 Sosten	None
SwitchPdl 3	67 Soft; dampens	None	None	None

274 The Jazz Club

Setup Feature	Zones			
	Zone 1	Zone 2	Zone 3	Zone 4
Zone Status	Play	Play	Play	Play
MIDI Channel	1	2	3	4
Program	0:110 Upright Bass 1	2:065 Harmon Band	2:064 Stolen Moments	2:060 St Jazz Brass sw
Wheel 1 Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down
Wheel 2/Red Knob B	1 MW; Ride fade	1 MW; Trumpet fade	1 MW; Brass fade	MIDI 1 MW; Brass fade
MPressure	Vibrato	Vibrato and volume	Vibrato and volume	Volume
Slider A/Green Knob A	93 FXAWet	93 FXAWet	93 FXAWet	91 FXBWet
Slider B/Green Knob B	None	11 Express	None	None
Slider C/Green Knob C	None	None	None	10; Pan
Slider D/Green Knob D	None	None	10; Pan	None
Pedal 1	None	11 Express	None	None
Pedal 2/Red Knob C	None	None	None	None
Breath/Red Knob D	None	None	None	None
Ribbon 1	None	None	None	None
Ribbon 2	None	None	None	None
Ribbon 3	None	None	None	None
SW1/Amber Swch A	Trans Down	Trans Down	Trans Up	Trans Up
SW2/Amber Swch B	13; Cymbal timbre (toggle)	None	None	None
SW3/Amber Swch C	None	None	None	None
SW4/Amber Swch D	None	None	None	None
SW5/Red Switch A	29; Enables Ride Cymbal	29; mutes muted Trumpet layer	None	None
SwitchPdl 1	64 Sustain	64 Sustain	64 Sustain	64 Sustain
SwitchPdl 2	66 Sustain	66 Sustain	66 Sustain	66 Sustain
SwitchPdl 3	None	None	None	None

275 Harp Dreams

Setup Feature	Zones			
	Zone 1	Zone 2	Zone 3	Zone 4
Zone Status	Mute	Mute	Play	Play
MIDI Channel	1	2	3	4
Program	6:091 Spider's Web	2:086 Orch Harp	2:080 Chair from Above	2:087 Stereo Solo Harp
Wheel 1 Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down
Wheel 2/Red Knob B	None	None	None	None
MPressure	Slight swell	None	None	None
Slider A/Green Knob A	93 FXAWet	None	93 FXAWet	None
Slider B/Green Knob B	None	91 FXBWet	None	91 FXBWet
Slider C/Green Knob C	6 Data: timbre change	None	None	None
Slider D/Green Knob D	13, timbre change	None	None	None
Pedal 1	None	None	None	None
Pedal 2/Red Knob C	None	None	None	None
Breath/Red Knob D	None	None	None	None
Ribbon 1	None	None	None	None
Ribbon 2	None	None	None	None
Ribbon 3	None	None	None	None
SW1/Amber Swch A	None	None	Trans Down	None
SW2/Amber Swch B	None	None	None	None
SW3/Amber Swch C	None	None	None	None
SW4/Amber Swch D	None	None	None	None
SW5/Red Switch A	29; slow swelling envelope	None	None	None
SwitchPdl 1	64 Sustain	64 Sustain	64 Sustain	64 Sustain
SwitchPdl 2	66 Sosten	64 Sustain	66 Sosten	64 Sustain
SwitchPdl 3	None	None	None	None

276 Harp & Pad

Setup Feature	Zones			
	Zone 1	Zone 2	Zone 3	Zone 4
Zone Status	Play	Play	Play	Play
MIDI Channel	1	2	3	4
Program	6:088 Poseidon	2:087 Stereo Solo Harp	2:087 Stereo Solo Harp	2:119 St Elec Mbira
Wheel 1 Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down
Wheel 2/Red Knob B	None	None	None	None
MPressure	None	None	None	None
Slider A/Green Knob A	91 FXBWet	None	None	None
Slider B/Green Knob B	None	93 FXAWet	None	None
Slider C/Green Knob C	None	None	93 FXAWet	None
Slider D/Green Knob D	None	None	None	Tempo
Pedal 1	None	None	None	None
Pedal 2/Red Knob C	None	None	None	None
Breath/Red Knob D	None	None	None	None
Ribbon 1	None	None	None	None
Ribbon 2	None	None	None	None
Ribbon 3	None	None	None	None
SW1/Amber Swch A	None	None	None	None
SW2/Amber Swch B	None	None	None	None
SW3/Amber Swch C	None	None	None	None
SW4/Amber Swch D	118; ArpOn	None	None	None
SW5/Red Switch A	119; Latch 1	None	None	None
SwitchPdl 1	64 Sustain	64 Sustain	64 Sustain	119 Latch1 (toggle)
SwitchPdl 2	66 Sosten	66 Sosten	66 Sosten	118 Latch2 (toggle)
SwitchPdl 3	None	67 Soft; softer, alt attack	67 Soft; softer, alt attack	None

277 Pizzica Doo

Setup Feature	Zones			
	Zone 1	Zone 2	Zone 3	Zone 4
Zone Status	Play	Play	Off	Off
MIDI Channel	1	2	Off	Off
Program	2:076 Pizz & Timp	6:073 Crystal Voices	None	None
Wheel 1 Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down
Wheel 2/Red Knob B	None	None	None	None
MPressure	None	None	None	None
Slider A/Green Knob A	93 FXAWet	None	None	None
Slider B/Green Knob B	None	91 FXBWet	None	None
Slider C/Green Knob C	11 Express	None	None	None
Slider D/Green Knob D	None	None	None	None
Pedal 1	11 Express	None	None	None
Pedal 2/Red Knob C	None	None	None	None
Breath/Red Knob D	None	None	None	None
Ribbon 1	None	None	None	None
Ribbon 2	None	None	None	None
Ribbon 3	None	None	None	None
SW1/Amber Swch A	Trans Up	None	None	None
SW2/Amber Swch B	None	None	None	None
SW3/Amber Swch C	None	None	None	None
SW4/Amber Swch D	None	None	None	None
SW5/Red Switch A	None	None	None	None
SwitchPd1 1	None	64 Sustain	64 Sustain	64 Sustain
SwitchPd1 2	None	66 Sosten	None	None
SwitchPd1 3	None	None	None	None

278 With Tinkles

Setup Feature	Zones			
	Zone 1	Zone 2	Zone 3	Zone 4
Zone Status	Play	Play	Mute	Play
MIDI Channel	1	2	3	4
Program	2:079 Mixed Choir	2:119 St Elec Mbira	2:105 Temple Blocks	0:087 Lowdown Bass
Wheel 1 Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down
Wheel 2/Red Knob B	1 MW, adds layer	None	None	None
MPressure	Volume, timbre	None	None	None
Slider A/Green Knob A	11 Express	None	None	None
Slider B/Green Knob B	None	11 Express	None	None
Slider C/Green Knob C	None	None	11 Express	None
Slider D/Green Knob D	None	None	None	Tempo
Pedal 1	None	11 Express	None	None
Pedal 2/Red Knob C	None	None	None	None
Breath/Red Knob D	None	None	None	None
Ribbon 1	None	None	None	None
Ribbon 2	None	None	None	None
Ribbon 3	None	None	None	None
SW1/Amber Swch A	None	None	None	None
SW2/Amber Swch B	None	None	None	None
SW3/Amber Swch C	None	None	None	None
SW4/Amber Swch D	116 ArpOn (toggle)	None	None	None
SW5/Red Switch A	119 Latch1 (toggle)	None	None	None
SwitchPdl 1	64 Sustain	64 Sustain	64 Sustain	119 Latch1 (toggle)
SwitchPdl 2	66 Sosten	66 Sosten	66 Sosten	118 Latch2 (toggle)
SwitchPdl 3	67 Soft, disables oct voice layer	67 Soft, softer, alt attack	None	None

279 The Bell Ringer

Setup Feature	Zones			
	Zone 1	Zone 2	Zone 3	Zone 4
Zone Status	Play	Play	Off	Off
MIDI Channel	1	2	Off	Off
Program	2:127 Clang Clang	2:095 Stereo Chimes	None	None
Wheel 1 Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down
Wheel 2/Red Knob B	None	None	None	None
MPressure	None	None	None	None
Slider A/Green Knob A	91 FXBWet	None	None	None
Slider B/Green Knob B	None	93 FXAWet	None	None
Slider C/Green Knob C	None	None	None	None
Slider D/Green Knob D	None	None	None	None
Pedal 1	None	None	None	None
Pedal 2/Red Knob C	None	None	None	None
Breath/Red Knob D	None	None	None	None
Ribbon 1	None	None	None	None
Ribbon 2	None	None	None	None
Ribbon 3	None	None	None	None
SW1/Amber Swch A	None	Trans Down	None	None
SW2/Amber Swch B	None	None	None	None
SW3/Amber Swch C	None	None	None	None
SW4/Amber Swch D	None	None	None	None
SW5/Red Switch A	None	None	None	None
SwitchPdl 1	64 Sustain	64 Sustain	64 Sustain	64 Sustain
SwitchPdl 2	66 Sosten	66 Sosten	None	None
SwitchPdl 3	None	67 Soft; dampens	None	None

280 Icicle Pad

Setup Feature	Zones			
	Zone 1	Zone 2	Zone 3	Zone 4
Zone Status	Play	Play	Off	Off
MIDI Channel	1	2	Off	Off
Program	2:124 Circus Glitter	6:073 Crystal Voices	None	None
Wheel 1 Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down
Wheel 2/Red Knob B	1 MW; Pitchslide up one octave	None	None	None
MPressure	None	None	None	None
Slider A/Green Knob A	93 FXAWet	None	None	None
Slider B/Green Knob B	None	91 FXBWet	None	None
Slider C/Green Knob C	6 Data; Pitchslide down one octave	None	None	None
Slider D/Green Knob D	None	None	None	None
Pedal 1	None	None	None	None
Pedal 2/Red Knob C	None	None	None	None
Breath/Red Knob D	None	None	None	None
Ribbon 1	None	None	None	None
Ribbon 2	None	None	None	None
Ribbon 3	None	None	None	None
SW1/Amber Swch A	None	Trans Down	None	None
SW2/Amber Swch B	9 Alt Attack (toggle)	None	None	None
SW3/Amber Swch C	12, enables Pizzicato (toggle)	None	None	None
SW4/Amber Swch D	None	None	None	None
SW5/Red Switch A	29, enables octave bell layer (toggle)	None	None	None
SwitchPdl 1	64 Sustain	64 Sustain	64 Sustain	64 Sustain
SwitchPdl 2	66 Sosten	66 Sosten	None	None
SwitchPdl 3	67 Soft	None	None	None

281 Ponty-fication

Setup Feature	Zones			
	Zone 1	Zone 2	Zone 3	Zone 4
Zone Status	Play	Play	Mute	Off
MIDI Channel	1	2	3	Off
Program	6:071 Flute & Strings	2:011 Recital Bass	2:016 Chamber Strings	None
Wheel 1 Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down
Wheel 2/Red Knob B	None	1 MW; vibrato	1 MW; Alt envelope	None
MPressure	None	Vibrato	None	None
Slider A/Green Knob A	91 FXBWet	None	None	None
Slider B/Green Knob B	None	93 FXAWet	93 FXAWet	None
Slider C/Green Knob C	8 Data; controls Strings resonance	None	None	None
Slider D/Green Knob D	13: delays String entrance	None	None	None
Pedal 1	None	None	None	None
Pedal 2/Red Knob C	None	None	None	None
Breath/Red Knob D	None	None	None	None
Ribbon 1	None	None	None	None
Ribbon 2	None	None	None	None
Ribbon 3	None	None	None	None
SW1/Amber Swch A	None	Trans Up	None	None
SW2/Amber Swch B	None	None	None	None
SW3/Amber Swch C	None	Go to Prog 11/5 (toggle)	None	None
SW4/Amber Swch D	None	None	None	None
SW5/Red Switch A	29: disables chiffy layer	None	None	None
SwitchPdl 1	64 Sustain	64 Sustain	64 Sustain	64 Sustain
SwitchPdl 2	66 Sosten	66 Sosten	66 Sosten	None
SwitchPdl 3	None	67 Soft; dampened attack for Prog 11	None	None

282 Space Mutes

Setup Feature	Zones			
	Zone 1	Zone 2	Zone 3	Zone 4
Zone Status	Mute	Play	Play	Off
MIDI Channel	1	2	3	Off
Program	0:088 Rez Aah Pad	2:058 Ballad Harmon Trp	6:091 Spider's Web	None
Wheel 1 Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down
Wheel 2/Red Knob B	None	1 MW, LFO	None	None
MPressure	None	LFO	None	None
Slider A/Green Knob A	91 FXBWet	None	91 FXBWet	None
Slider B/Green Knob B	None	93 FXAWet	None	None
Slider C/Green Knob C	6 Data; timbre/ resonance control	None	6 Data; timbre control	None
Slider D/Green Knob D	13; envelope movement	None	None	None
Pedal 1	None	None	None	None
Pedal 2/Red Knob C	None	None	None	None
Breath/Red Knob D	None	None	None	None
Ribbon 1	None	None	None	None
Ribbon 2	None	None	None	None
Ribbon 3	None	None	None	None
SW1/Amber Swch A	Trans Up	Trans Down	Trans Down	None
SW2/Amber Swch B	None	None	None	None
SW3/Amber Swch C	None	None	None	None
SW4/Amber Swch D	None	None	None	None
SW5/Red Switch A	None	None	None	None
SwitchPdl 1	64 Sustain	64 Sustain	64 Sustain	64 Sustain
SwitchPdl 2	66 Sosten	66 Sosten	66 Sosten	66 Sosten
SwitchPdl 3	None	None	Soft 67; softer	None

283 Skullimba Deep

Setup Feature	Zones			
	Zone 1	Zone 2	Zone 3	Zone 4
Zone Status	Play	Play	Off	Off
MIDI Channel	1	2	Off	Off
Program	2:116 Skullophones	2:118 Acoustic Mbira	None	None
Wheel 1 Up/Down	Pitch Up/Down	Pitch Up/ Down	Pitch Up/ Down	Pitch Up/ Down
Wheel 2/Red Knob B	None	None	None	None
MPressure	None	None	None	None
Slider A/Green Knob A	91 FXBWet	None	None	None
Slider B/Green Knob B	None	93 FXAWet	None	None
Slider C/Green Knob C	6 Data; pitch and timbre change	None	None	None
Slider D/Green Knob D	13; pitchslide up	None	None	None
Pedal 1	None	None	None	None
Pedal 2/Red Knob C	None	None	None	None
Breath/Red Knob D	None	None	None	None
Ribbon 1	None	None	None	None
Ribbon 2	None	None	None	None
Ribbon 3	None	None	None	None
SW1/Amber Swch A	Trans Down	Trans Down	None	None
SW2/Amber Swch B	9; removes low layer (toggle)	None	None	None
SW3/Amber Swch C	12; adds mid layer (toggle)	None	None	None
SW4/Amber Swch D	None	None	None	None
SWS/Red Switch A	29; switches timbre	None	None	None
SwitchPdl 1	64 Sustain	64 Sustain	64 Sustain	64 Sustain
SwitchPdl 2	66 Sosten	66 Sosten	66 Sosten	66 Sosten
SwitchPdl 3	67 Soft; mutes	67 soft; silences	None	None

284 Kinetic Sculptre

Setup Feature	Zones			
	Zone 1	Zone 2	Zone 3	Zone 4
Zone Status	Play	Play	Play	Play
MIDI Channel	1	2	3	4
Program	2:119 St Elec Mbira	2:105 Temple Blocks	2:119 St Elec Mbira	2:119 St Elec Mbira
Wheel 1 Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down
Wheel 2/Red Knob B	None	None	None	None
MPressure	None	None	None	None
Slider A/Green Knob A	91 FXBWet	91 FXBWet	91 FXBWet	91 FXBWet
Slider B/Green Knob B	None	None	None	None
Slider C/Green Knob C	None	None	None	None
Slider D/Green Knob D	13: Envelope control (shortens decay)	None	Tempo	Tempo
Pedal 1	None	None	None	None
Pedal 2/Red Knob C	None	None	None	None
Breath/Red Knob D	None	None	None	None
Ribbon 1	None	None	None	None
Ribbon 2	None	None	None	None
Ribbon 3	None	None	None	None
SW1/Amber Swch A	Trans Down	Trans Down	Trans Up	Trans Up
SW2/Amber Swch B	None	None	None	None
SW3/Amber Swch C	None	None	None	None
SW4/Amber Swch D	118 ArpOn (toggle)	None	None	None
SW5/Red Switch A	119 Latch1 (toggle)	None	None	None
SwitchPdl 1	64 Sustain	119 Latch1 (toggle)	64 Sustain	64 Sustain
SwitchPdl 2	66 Sosten	118 Latch2 (toggle)	66 Sosten	66 Sosten
SwitchPdl 3	None	None	None	None

285 Ork MachinistE1

Setup Feature	Zones			
	Zone 1	Zone 2	Zone 3	Zone 4
Zone Status	Play	Play	Play	Play
MIDI Channel	1	2	3	4
Program	2:109 Beaty Drum	2:116 Skullophones	2:101 Orch Percussion	2:025 Medium Pizzicato
Wheel 1 Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down
Wheel 2/Red Knob B	None	None	None	None
MPressure	None	None	None	None
Slider A/Green Knob A	11 Express	None	None	None
Slider B/Green Knob B	None	11 Express	None	None
Slider C/Green Knob C	None	None	11 Express	None
Slider D/Green Knob D	None	None	None	Tempo
Pedal 1	None	None	None	None
Pedal 2/Red Knob C	None	None	None	None
Breath/Red Knob D	None	None	None	None
Ribbon 1	None	None	None	None
Ribbon 2	None	None	None	None
Ribbon 3	None	None	None	None
SW1/Amber Swch A	None	Trans Down	None	Trans Down
SW2/Amber Swch B	None	None	None	None
SW3/Amber Swch C	None	None	None	None
SW4/Amber Swch D	118 ArpOn (toggle)	None	None	None
SW5/Red Switch A	119 Latch1 (toggle)	None	None	None
SwitchPdl 1	64 Sustain	64 Sustain	64 Sustain	64 Sustain
SwitchPdl 2	66 Sosten	66 Sosten	66 Sosten	66 Sosten
SwitchPdl 3	None	118 Latch2 (toggle)	67 Soft; dampens	None

286 *Odd or Not*

Setup Feature	Zones			
	Zone 1	Zone 2	Zone 3	Zone 4
Zone Status	Play	Play	Play	Mute
MIDI Channel	1	2	3	4
Program	2:109 <i>Beaty Drum</i>	2:116 <i>Skullophones</i>	6:033 <i>Mild Sheen</i>	0:086 <i>Sweeper Bass</i>
Wheel 1 Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down
Wheel 2/Red Knob B	None	None	None	None
MPressure	None	None	None	Pressure
Slider A/Green Knob A	11 Express	None	None	None
Slider B/Green Knob B	None	11 Express	None	None
Slider C/Green Knob C	None	None	11 Express	None
Slider D/Green Knob D	None	Tempo	None	None
Pedal 1	None	None	None	None
Pedal 2/Red Knob C	None	None	None	None
Breath/Red Knob D	None	None	None	None
Ribbon 1	None	None	None	None
Ribbon 2	None	None	None	None
Ribbon 3	None	None	None	None
SW1/Amber Swch A	None	Trans Down	Trans Down	None
SW2/Amber Swch B	None	None	None	None
SW3/Amber Swch C	None	None	None	None
SW4/Amber Swch D	118 ArpOn (toggle)	None	None	None
SW5/Red Switch A	119 Latch1 (toggle)	None	None	None
SwitchPdl 1	64 Sustain	64 Sustain	64 Sustain	64 Sustain
SwitchPdl 2	66 Sosten	66 Sosten	66 Sosten	66 Sosten
SwitchPdl 3	None	67 Soft, mutes	118 Latch2 (toggle)	None

287 60's Slide Jam C2

Setup Feature	Zones			
	Zone 1	Zone 2	Zone 3	Zone 4
Zone Status	Play	Play	Play	Play
MIDI Channel	1	2	3	4
Program	2:109 Beaty Drum	0:046 The Reverend's	0:105 Punch Bass	0:087 Lowdown Bass
Wheel 1 Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down
Wheel 2/Red Knob B	None	None	None	None
MPressure	None	None	None	Vibrato
Slider A/Green Knob A	11 Express	None	None	None
Slider B/Green Knob B	None	11 Express	None	None
Slider C/Green Knob C	None	None	11 Express	None
Slider D/Green Knob D	Tempo	None	None	11 Express
Pedal 1	None	None	None	None
Pedal 2/Red Knob C	None	None	None	None
Breath/Red Knob D	None	None	None	None
Ribbon 1	None	None	None	None
Ribbon 2	None	None	None	None
Ribbon 3	None	None	None	None
SW1/Amber Swch A	None	Trans Down	None	None
SW2/Amber Swch B	None	None	None	None
SW3/Amber Swch C	None	None	None	None
SW4/Amber Swch D	118 ArpOn (toggle)	None	None	None
SW5/Red Switch A	None	119 Latch1	None	None
SwitchPdl 1	64 Sustain	64 Sustain	64 Sustain	64 Sustain
SwitchPdl 2	66 Sosten	66 Sosten	66 Sosten	66 Sosten
SwitchPdl 3	None	119 Latch1 (toggle)	None	None

288 Rhythm Language

Setup Feature	Zones			
	Zone 1	Zone 2	Zone 3	Zone 4
Zone Status	Play	Play	Play	Off
MIDI Channel	1	2	3	Off
Program	2:113 Puppet Show Perc	2:109 Beaty Drum	0:118 Beat Box	None
Wheel 1 Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down	Pitch Up/Down
Wheel 2/Red Knob B	None	None	1 MW; alt attack	None
MPressure	None	None	None	None
Slider A/Green Knob A	93 FXAWet	None	None	None
Slider B/Green Knob B	91 FXBWet	11 Express	None	None
Slider C/Green Knob C	6 Data; tunes layer	None	11 Express	None
Slider D/Green Knob D	13; pitchslide	Tempo	None	None
Pedal 1	None	None	None	None
Pedal 2/Red Knob C	None	None	None	None
Breath/Red Knob D	None	None	None	None
Ribbon 1	None	None	None	None
Ribbon 2	None	None	None	None
Ribbon 3	None	None	None	None
SW1/Amber Swch A	Trans Down	Trans Down	Trans Up	Trans Up
SW2/Amber Swch B	9; alt attack (toggle)	None	None	None
SW3/Amber Swch C	12; Mutes layer	None	None	None
SW4/Amber Swch D	116 ArpOn (toggle)	None	None	None
SW5/Red Switch A	29; adds layer	None	None	None
SwitchPd1 1	64 Sustain	64 Sustain	64 Sustain	64 Sustain
SwitchPd1 2	66 Sosten	66 Sosten	66 Sosten	66 Sosten
SwitchPd1 3	None	67 Soft; disables a layer	None	None

PCR-1 GM Program Information

Piano	000	Grand Piano	Bass	032	Acoustic Bass
	001	Bright Grand		033	Finger Bass
	002	Electric Grand		034	Picked Bass
	003	Honky Tonk Piano		035	Fretless Bass
	004	Elec Piano 1		036	Slap Bass 1
	005	Elec Piano 2		037	Slap Bass 2
	006	GM Harpsichord		038	Synth Bass 1
Chromatic	007	Clavinet	Strings	039	Synth Bass 2
	008	GM Celeste		040	Violin
	009	Glockenspiel		041	Viola
	010	Music Box		042	Cello
	011	Vibraphone		043	Contrabass
	012	Marimba		044	Tremolo Strings
	013	Xylophone		045	Pizzicato Strings
Organ	014	Tubular Bells	Ensembles	046	Harp
	015	Dulcimer		047	Timpani
	016	Drawbar Organ		048	Ensemble Strings
	017	Percussion Organ		049	GM Slow Strings
	018	Rock Organ		050	Synth Strings 1
	019	Church Organ		051	Synth Strings 2
	020	Reed Organ		052	Choir Aahs
Guitar	021	GM Accordion	Brass	053	Voice Oohs
	022	Harmonica		054	Synth Vox
	023	Bandoneon		055	Orchestra Hit
	024	Nylon Guitar		056	Trumpet
	025	Steel String Gtr		057	Trombone
	026	Jazz Guitar		058	Tuba
	027	Clean Elec Guitar		059	Muted Trumpet
	028	Muted Guitar		060	French Horn
	029	Overdrive Guitar		061	Brass Section
	030	Distortion Guitar		062	Synth Brass 1
	031	Guitar Harmonics		063	Synth Brass 2

Reed	064	Soprano Sax	Synth FX	096	Ice Rain
	065	Alto Sax		097	Soundtrack
	066	Tenor Sax		098	Crystal
	067	Baritone Sax		099	Atmosphere
	068	Oboe		100	Brightness
	069	English Horn		101	Goblins
	070	Bassoon		102	Echo Drops
Pipe	071	Clarinet	Ethnic	103	Star Theme
	072	Piccolo		104	Sitar
	073	Flute		105	Banjo
	074	Recorder		106	Shamisen
	075	Pan Flute		107	Koto
	076	Bottle Blow		108	Kalimba
	077	Shakuhachi		109	Bagpipe
Synth Lead	078	Whistle	Percussion	110	Fiddle
	079	Ocarina		111	Shanai
	080	Square Wave		112	Tinkle Bell
	081	Sawtooth Wave		113	Agogo
	082	Synth Calliope		114	Steel Drums
	083	Chiffer Lead		115	Wood Block
	084	Charang		116	Taiko
Synth Pad	085	Solo Vox	Sound FX	117	Melodic Tom
	086	5th Saw Wave		118	Synth Drum
	087	Bass & Lead		119	Reverse Cymbal
	088	Fantasia		120	Guitar Fret Noise
	089	Warm Pad		121	Breath Noise
	090	Polysynth		122	Seashore
	091	Space Voice		123	Bird
	092	Bowed Glass		124	Telephone
	093	Metal Pad		125	Helicopter
	094	Halo Pad		126	Applause
	095	Sweep Pad		127	Gunshot

Controllers for PCR-1 GM Programs

Certain physical controllers on the keyboard and rack-mount models have corresponding assignments but different names—for example, Slider A and Green Knob A. In these cases, the keyboard names are followed by the rack-mount names.

Category	ID	Sound Name	Slider A / Green Knob A (MIDI 1)	Other Controllers
Piano	000	Grand Piano		
	001	Bright Grand		
	002	Electric Grand	Tremolo	
	003	Honky Tonk Piano		
	004	Elec Piano 1	Tremolo	
	005	Elec Piano 2		
	006	GM Harpsichord		
Chromatic	007	Clavinet	Tremolo	
	008	GM Celesta		
	009	Glockenspiel		
	010	Music Box	Vibrato	
	011	Vibraphone	Tremolo	
	012	Marimba		
	013	Xylophone		
	014	Tubular Bells		
	015	Dulcimer		
Organ	016	Drawbar Organ	Rotary Speed	
	017	Percussion Organ	Rotary Speed	
	018	Rock Organ	Rotary Speed	
	019	Church Organ	Vibrato	
	020	Reed Organ	Tremolo	
	021	GM Accordion	Vibrato	
	022	Harmonica	Vibrato	
	023	Bandoneon	Tremolo	
Guitar	024	Nylon Guitar	Vibrato	
	025	Steel String Gtr	Vibrato	
	026	Jazz Guitar	Vibrato	
	027	Clean Elec Guitar	Vibrato	
	028	Muted Guitar	Vibrato	
	029	Overdrive Guitar	Vibrato	
	030	Distortion Guitar	Vibrato	
	031	Guitar Harmonics	Vibrato	

Controllers for PCR-1 GM Programs

Category	ID	Sound Name	Slider A / Green Knob A (MIDI 1)	Other Controllers
Bass	032	Acoustic Bass	Vibrato	
	033	Finger Bass	Vibrato	
	034	Picked Bass	Vibrato	
	035	Fretless Bass	Vibrato	
	036	Slap Bass 1	Vibrato	
	037	Slap Bass 2	Vibrato	
	038	Synth Bass 1	Vibrato	
	039	Synth Bass 2	Vibrato	
Strings	040	Violin	Vibrato	
	041	Viola	Vibrato	
	042	Cello	Vibrato	
	043	Contrabass	Vibrato	
	044	Tremolo Strings		
	045	Pizzicato Strings		
	046	Harp	Vibrato	
Ensembles	047	Timpani		
	048	Ensemble Strings	Vibrato	
	049	GM Slow Strings	Vibrato	
	050	Synth Strings 1	Vibrato	
	051	Synth Strings 2	Vibrato	
	052	Choir Aahs	Vibrato	
	053	Voice Oohs	Vibrato	
	054	Synth Vox	Vibrato	
Brass	055	Orchestra Hit		
	056	Trumpet	Vibrato	
	057	Trombone	Vibrato	
	058	Tuba	Vibrato	
	059	Muted Trumpet	Vibrato	
	060	French Horn	Vibrato	
	061	Brass Section	Vibrato	
	062	Synth Brass 1	Vibrato	
Reed	063	Synth Brass 2	Vibrato	
	064	Soprano Sax	Vibrato	
	065	Alto Sax	Vibrato	
	066	Tenor Sax	Vibrato	
	067	Baritone Sax	Vibrato	
	068	Oboe	Vibrato	
	069	English Horn	Vibrato	
	070	Bassoon	Vibrato	
	071	Clarinet	Vibrato	

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Controllers for PCR-1 GM Programs

Category	ID	Sound Name	Slider A / Green Knob A (MIDI 1)	Other Controllers
Pipe	072	Piccolo	Vibrato	
	073	Flute	Vibrato	
	074	Recorder	Vibrato	
	075	Pan Flute	Vibrato	
	076	Bottle Blow	Vibrato	
	077	Shakuhachi	Vibrato	
	078	Whistle	Vibrato	
	079	Ocarina	Vibrato	
Synth Lead	080	Square Wave	Vibrato	
	081	Sawtooth Wave	Vibrato	
	082	Synth Calliope	Vibrato	
	083	Chiffer Lead	Vibrato	
	084	Charang	Vibrato	
	085	Solo Vox	Vibrato	
	086	5th Saw Wave	Vibrato	
	087	Bass & Lead	Vibrato	
Synth Pad	088	Fantasia	Vibrato	Slider C / Green Knob C: Layer 3 Volume
	089	Warm Pad	Vibrato	
	090	Polysynth	Vibrato	
	091	Space Voice	Vibrato	
	092	Bowed Glass	Vibrato	
	093	Metal Pad	Vibrato	
	094	Halo Pad	Vibrato	
	095	Sweep Pad	Vibrato	
Synth FX	096	Ice Rain	Vibrato	Slider C / Green Knob C: "Rain" Volume
	097	Soundtrack	Vibrato	
	098	Crystal	Vibrato	
	099	Atmosphere	Vibrato	
	100	Brightness	Vibrato	
	101	Goblins	Vibrato	Slider C / Green Knob C: "Goblins" Vol
	102	Echo Drops	Vibrato	
	103	Star Theme	Vibrato	
Ethnic	104	Sitar	Vibrato	
	105	Banjo	Vibrato	
	106	Shamisen	Vibrato	
	107	Koto	Vibrato	
	108	Kalimba	Vibrato	
	109	Bagpipe	Vibrato	Slider C / Green Knob C, MIDI 9: Tone
	110	Fiddle	Vibrato	
	111	Shanai	Vibrato	

Category	ID	Sound Name	Slider A / Green Knob A (MIDI 1)	Other Controllers
Percussion	112	Tinkle Bell	Vibrato	
	113	Agogo	Vibrato	Slider C / Green Knob C: Random Pitches
	114	Steel Drums	Vibrato	
	115	Wood Block	Vibrato	Slider C / Green Knob C: Random Pitches
	116	Taiko	Vibrato	
	117	Melodic Tom	Vibrato	
	118	Synth Drum	Vibrato	
	119	Reverse Cymbal	Vibrato	
	120	Guitar Fret Noise	Vibrato	
Sound FX	121	Breath Noise	Vibrato	
	122	Seashore	Vibrato	
	123	Bird	Vibrato	
	124	Telephone	Vibrato	Slider C / Green Knob C: Switch Phones
	125	Helicopter	Vibrato	
	126	Applause	Vibrato	Slider C / Green Knob C: Bravo!
	127	Gunshot	Vibrato	

GM Drum Kits

The eight GM drum kits are available whichever program set you've installed/loaded. They're stored in Bank 7. Also in Bank 7 is a program called **008 Sine**, which the PC2 uses for some of its internal diagnostic testing.

ID	Name
000	GM Standard Kit
001	GM Room Kit
002	GM Power Kit
003	GM Elec Kit
004	GM Synth Kit
005	GM Jazz Kit
006	GM Brush Kit
007	GM Orch Kit