

**in**

**COLLABORATORS**

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<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
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**REVISION HISTORY**

NUMBER	DATE	DESCRIPTION	NAME

# Contents

<b>1</b>	<b>in</b>	<b>1</b>
1.1	main . . . . .	1
1.2	sec_a . . . . .	1
1.3	sec_b . . . . .	2
1.4	sec_c . . . . .	2
1.5	sec_d . . . . .	3
1.6	useage . . . . .	3
1.7	use_movedb . . . . .	4
1.8	use_new . . . . .	4
1.9	use_newsub . . . . .	5
1.10	use_delete . . . . .	5
1.11	use_dbaud . . . . .	6
1.12	use_sort . . . . .	6
1.13	use_aud . . . . .	6
1.14	use_grab . . . . .	7
1.15	use_savebank . . . . .	7
1.16	use_loadbank . . . . .	7
1.17	use_copytodb . . . . .	8
1.18	use_copytorw . . . . .	8
1.19	use_midi . . . . .	8
1.20	des_win . . . . .	9
1.21	des_left . . . . .	9
1.22	des_centre . . . . .	10
1.23	des_right . . . . .	11
1.24	des_menu . . . . .	11
1.25	menu_project . . . . .	12
1.26	menu_database . . . . .	12
1.27	menu_bank . . . . .	12
1.28	use_prefs . . . . .	12
1.29	sec_ee . . . . .	13

---

1.30	sec_e	14
1.31	sec_f	15
1.32	sec_g	16
1.33	sec_h	16
1.34	sec_hist	17

# Chapter 1

## in

### 1.1 main

Sound palette v1.02

by

James Hollingsworth

The Amiga librarian for the Korg 05R/W

Contents:

- A. Introduction
- B. Requirements
- C. Installation
- D. Useage
- E. The Audition program
- F. Demo Limitations
- G. Registering
- H. Future
- I. Legal stuff
- J. History

### 1.2 sec\_a

Introduction

Sound Palette is a versatile librarian program for the Korg 05R/W synthesizer. It allows a huge number of sounds to be stored in a convenient way on your computer, so that you can arrange them into appropriate banks to suit your needs.

Features:

- o Presets can be stored in a heirarchic structure.  
(rather like a directory structure)
-

- o Descriptions can be given to each preset.
- o Sounds can be auditioned using a selection of tunes.
- o MIDI can be disabled, allowing this program to multi-task with other MIDI applications.
- o New auditioning tunes can also be added.
- o A ready made database of presets comes with this software.
- o A single preset can be have more than one entry in the database without any extra disk space being taken up. (e.g. you may have a sound OrganPiano and wish to place it in both organ and piano categories.)
- o Banks of presets can be loaded and saved in system exclusive format.

### 1.3 sec\_b

#### Requirements

The hardware requirements are pretty straightforward:

A Korg 05R/W synthesizer. (Although this program may also work with the X5 and 05DR synthesizers)

A MIDI interface!

A hard disk is recommended.

If you have a low resolution screen, and/or a large font, this software will not load, as there won't be enough space for the window. It works fine (among other configurations) on a standard 640\*256 PAL screen using an 8 point topaz font. With a screen mode less than 256 pixels high, the software will attempt to open a smaller, less attractive window.

### 1.4 sec\_c

#### Installation

To install this software an installer script is provided. Just double-click on its icon. No assigns or anything like that are necessary.

The only other thing you will need to do, is make sure RTS/CTS handshaking is not enabled in serial preferences. The other serial settings will not affect this software.

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Both the MIDI In, and MIDI Out ports of your Korg synthesiser must be connected to your Amiga MIDI interface for this software to work correctly.

## 1.5 sec\_d

Useage

Before running the software make sure your MIDI setup is connected correctly and the 05R/W switched on.

General Useage

Window description

Menu descriptions

## 1.6 useage

General Useage

Database:

Moving around the database

Creating a new preset entry

Creating a new SubList entry

Deleting an entry

Sorting the SubList

Auditioning a database preset

Writing your own audition tunes  
Korg Memory:

Auditioning an 05R/W preset

Grabbing the 05R/W's memory

Saving the memory as a bank

Loading a new bank

Transferring sounds between the 05R/W and the database:

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05R/W preset to the database

Database preset to 05R/W  
Other:

Enabling/Disabling MIDI

Program Preferences

## 1.7 use\_movedb

Moving around the database

This is very easy. The database is shown in the left-hand list-view. Preset entries, i.e. the sounds themselves, are shown by name. SubLists, i.e. categories containing presets or further categories, are prefixed by a ->.

By clicking on a preset entry, the details for the preset will be shown below the left-hand list-view. You can then audition the preset, or copy it to the 05R/W among other things.

By clicking on a SubList, you are taken into the SubList, and a new list of items will appear in the list-view. The first item will be <-Back, and by clicking on this, you can go back to the previous (or parent) list.

## 1.8 use\_new

Creating a new database preset entry

It is only necessary to do this, if you have already copied a preset from the 05R/W to the database, and wish the same preset to appear somewhere else in the database.

I.e. You may have made a SubList called Pianos to contain all the piano presets, and another SubList called Organs to hold all the organ presets. There may be a sound called OrganPiano on the 05R/W which would suit both categories. The preset may have originally been copied to the Pianos SubList. Using this function, you could create a new entry in the Organs SubList, and assign it to the OrganPiano file stored on disk.

Creating a new preset entry is accomplished by pressing the New button. This will create an entry with the name <blank> in the left-hand list-view. A more suitable name can be easily given, by typing the new name in to the Current box in the left hand side of the window.

To assign this new entry to a preset file, click on the ? button, and a file requester will appear from which you can select one. Alternatively, if

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you know the path of the preset file, you can type it directly into the Path box.

If you wish to give the sound a descriptive comment, enter a comment of up to 25 characters in the Current box.

## 1.9 use\_newsub

Creating a new SubList

The SubList feature is provided to help you organise the presets of your 05R/W in a more practical and efficient way. They allow you to categorise presets according to what kind of sound they are. SubLists can also be created within other SubLists.

I.e. You could have one SubList for all the string presets you have, another for all the techno sounds etc. etc.

A new sublist is created by clicking on the New SubList button. A new sublist title will appear. It will initially be called <blank>, but you can change this to a more appropriate name, by entering the new name in the Current box in the left hand side of the window.

## 1.10 use\_delete

Deleting an entry from the database

By pressing the Delete button you can delete either a single preset entry from the database, or an entire SubList and any preset/SubList entries which may be contained inside it.

The currently selected entry in the left-hand list-view is deleted. To select a sublist, first click on it to go into it, then click on <-Back to go back to the parent. The name of the SubList will now appear in the Current box.

When you delete a preset entry, the file associated with it on disk is also deleted to save storage. However, if the Search before deleting option is enabled in the

program preferences  
, the software will search

the database to check whether any other preset entries use the same preset file. If one or more are, you have the option of not deleting the file associated with the preset.

When you delete an entire SubList, no such search is done - so be careful! If anyone wants this feature, let me know and I will implement it in the next version - I just considered it unnecessary.

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## 1.11 use\_dbaud

Auditioning a database preset

To see what a database preset sounds like before copying it to the memory of the 05R/W, you can audition it by pressing one of the Tune buttons in the left hand side of the window.

What happens, is the currently selected database preset is temporarily copied to the 05R/W. The tune is then played, and the 05R/W reverts back to whatever preset was in it previously.

The tune played, depends on what tune you have assigned to the button using the

program preferences

. Each tune exists as a file on disk, which makes it possible to have many tunes on disk for you to choose from!

The tempo the tunes are played at can also be changed using the

program preferences

.

## 1.12 use\_sort

Sorting the current SubList

To make it easier to locate a preset entry in a long list of them, the list can be sorted. This is done by selecting Sort from the Database Menu.

Unless you save the database, the sort won't be made permanent. This is done by selecting Save from the

Project Menu

.

## 1.13 use\_aud

Auditioning a preset in the 05R/W's memory

This feature allows you to see what a sound in the memory of the 05R/W sounds like before copying it to the database.

When you press one of the Tune buttons in the right hand side of the window, a tune will be played using the currently selected preset in the right-hand list-view.

The tune played, depends on what tune you have assigned to the button using the

program preferences

. Each tune exists as a file on disk, which makes it possible to have many tunes on disk for you to choose from!

The tempo the tunes are played at can also be changed using the program preferences

.

## 1.14 use\_grab

Grabbing the current contents of the 05R/W's memory

Under normal circumstances it will not be necessary to do this, as the software does it automatically once loaded. If however you edit some of the program presets in the 05R/W, and want the software to recognise the changes, press the Grab button.

## 1.15 use\_savebank

Saving an entire bank to disk

This feature allows you to save an entire bank of sounds to disk. It saves all 100 of the A-Bank sounds currently in the memory of the 05R/W as a file on disk in system exclusive format.

The fact that they are stored in system exclusive format, means you can easily exchange them with other 05R/W users, and upload them to Korg FTP sites etc..

It also means you can copy the bank directly to the 05R/W from AmigaDOS. In order to do this your serial port preferences must be set up correctly:

```
Baud Rate - 31250      \
No Parity          |---- N.B. these do not have to be set for this
8 Bits/Char       |      software, only for copying banks using AmigaDOS.
1 Stop Bit        /
No HandShaking
```

## 1.16 use\_loadbank

Loading a new bank of sounds from disk

This function allows you to load a file containing an entire bank of program presets. ↔

This could either be a bank you have previously made and saved using this software ↔

,  
or one you have downloaded or obtained from another 05R/W user.

The bank must be in 05R/W system exclusive format, and only contain program ↔ presets.  
I.e. if it contains combinations, drums, or multi-setup data, the software will reject it.

## 1.17 use\_copytodb

Copying a preset from the 05R/W to the database

To copy a preset from the A-Bank of the 05R/W to the current database SubList, select the preset in the 05R/W you wish to copy, by clicking on it in the right-hand list-view, and then press the <-- button.

A file requester will appear for you to choose where the preset file will be stored on disk. A suitable name will be given for the file in the requester, but you can change it if you like. The default directory that appears in this requester can be changed using the  
program preferences  
.

After you have pressed OK on the file requester, the preset will be added to the database.

This new addition to the database will only be made permanent, after the database has been saved by selecting Save from the  
Project Menu  
.

## 1.18 use\_copytorw

Copying a preset from database to the 05R/W

To copy a preset held in the database to the A-Bank of the 05R/W, first select the database preset to copy, by clicking on it in the left-hand list-view. Next, select the preset in the 05R/W which is to be replaced by the database preset, by clicking on it in the right-hand list-view.

Now press the --> button, and the sound will be transferred to the 05R/W.

## 1.19 use\_midi

Enabling/Disabling MIDI

MIDI is enabled by setting the toggle button in the top-right hand corner of the window to its pushed state.

---

MIDI is disabled by setting the above button to its raised state.

## 1.20 des\_win

Window description

Please select the area of the program window you want information on:

Lefthand side

Central Column

Righthand side

## 1.21 des\_left

Lefthand side of window

This side of the window is used to deal with the database of presets stored on the computer.

The List View displays the contents of the database. The entries in the list-view are either the presets themselves, or SubLists containing presets or further SubLists. Think of SubLists like AmigaDOS drawers.

SubLists are prefixed by a -> symbol, clicking on one will take you into that SubList.

If you enter a SubList, the first entry in the list-view will be <- Back. This will take you back to the parent SubList.

'Current' shows the name of the currently selected preset or SubList. This name is independant of the preset name displayed on the screen of the 05R/W. The name of the currently selected preset or sublist can be altered by changing the contents of the box.

'Comment' shows an optional descriptive comment which can be given to a preset. The reason for this, is that if you end up with hundreds of presets in the database, you will most probably forget what each one sounds like! Comments can be added or changed by changing the contents of the box.

---

'Path' - By pressing the ? button, you can change the path that leads to the actual preset itself on your hard-disk / floppy-disk. The current path will be shown in the text box. You can also change the path by typing it directly into this box.

'Audition' - The Tune buttons here allow you to test out the currently selected preset in the database, by using it to play a short tune. The tune played depends on which tune has been assigned to the button using the program preferences.

'Entry' - This section allows you to manage the database.

The New button creates a new entry for a preset in the database.

The New SubList button creates a new category for the presets to be stored under.

The Delete button deletes whatever database entry is currently selected, regardless of whether it is a preset or SubList.

## 1.22 des\_centre

Central column of window

The buttons in this section of the window are used to transfer sounds between the 05R/W and the database.

The --> Button is used to copy a preset from the database, to whatever preset location in the 05R/W is currently selected in the right-hand list-view.

The <-- Button does the opposite. It copies whatever preset is selected in the right-hand list-view, from the 05R/W to the database. In doing so, it creates a new entry in the database with a suitable name, and saves the preset to disk.

---

## 1.23 des\_right

Right hand side of window

This side of the window is used to deal with the sounds currently in the memory of the 05R/W.

The

MIDI Enabled  
button indicates and determines whether MIDI  
is currently enabled or disabled.

The List View shows a list of all the presets already in the 05R/W. Clicking on any preset in this list-view, will have the effect of setting the synthesiser to this preset (like a program change).

'Current' shows the currently selected preset from the list-view. This will be the one copied to the database if the <-- button is pressed. It will also be the preset in the 05R/W that is overwritten with a new one if the --> button is pressed.

'Audition' - The  
Tune  
buttons here are used in a similar way to the  
ones in the left hand side of the window.

'Korg Memory' - The  
Grab  
will receive all the A-Bank sounds  
currently in the 05R/W. This is done automatically after the program has loaded, but is there incase for example you alter any sounds using the 05R/W itself.

## 1.24 des\_menu

Menu descriptions

Please select the menu you want more information on:

Project

---

Database

Bank

## 1.25 menu\_project

Project Menu

About - Displays the loading logo of this software.

Save - Saves the database of presets.

Preferences - Brings up the  
                  preferences  
                  window.

Quit - Exits the software.

## 1.26 menu\_database

Database Menu

Sort - Alphabetically sorts the current database sublist.

## 1.27 menu\_bank

Bank Menu

Load - Loads an entire bank of sounds from disk, and sends them to the 05R/W.

                  The banks must be in system exclusive format, and  
                  contain only program presets, i.e. not combinations etc.

Save - Saves the current bank of sounds in the 05R/W to disk.  
                  They are saved in system exclusive form.

## 1.28 use\_prefs

                  Setting the program preferences

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The program preferences are set by choosing Preferences from the

Project Menu  
. The preferences window will then open.

Graphic Requesters - If enabled, any program requesters that appears will have a pretty icon in. The option to disable this feature is there for floppy users, to improve the speed of loading. ←

Show about at startup - This feature only affects registered users. If disabled, the About requester is not shown when the program is loaded.

Search before deleting - If enabled, whenever you delete a preset entry from the database, a search is done to see if any other database presets use the same file. ←  
If so, you are warned, and given the option to not delete the preset file from disk. ←

Audition Tempo - This is the tempo (in BPM) the audition tunes will be played at. The maximum is currently set at 255.

Presets Path - This is the default path this software tries to save preset files to when you transfer them from the 05R/W to the database.

Tune Paths - The three tune path buttons and boxes, are used to hold the name and path of the audition tune to be assigned to each button. The filenames of audition tunes usually end with .aud, and several come with this software - try loading them! ←

## 1.29 sec\_ee

Audition - A program to write your own auditioning tunes

Firstly, this program is not user friendly. I only wrote it for my own use, but included it with this software incase anyone was brave enough to use it. It requires a little knowledge as to how notes are played through MIDI.

It allows you to write tunes to be used to test the presets held in the librarian.

Before using it, sketch out your tune on paper so that you know how long each note will be.

It is used as follows:

Run it from the cli: `Audition <filename>`

You will then get a prompt asking you for a command.

Type 1 for a note on.  
2 for a note off.

---

3 for a rest (place between a note on and note off  
to give a note duration)  
4 to finish

#### Note On

You are asked for the 05R/W channel the note is to be played on.  
Use 0 for the purposes of this software.

You are then asked for the note. Type in the MIDI note number.  
(MIDI note numbers are shown in your 05R/W Voice Name List booklet).

Lastly, you are asked for the velocity. This can be from 0 - softest  
64 - loudest

#### Note Off

You are asked for the 05R/W channel of the note to turn off.  
Use the same channel you used for the note on of that note.  
You are then asked for the note number. Use the same number you used  
to turn the note on.

#### Rest

Use this to give a note duration by placing it between note on and  
note off commands. It can also be used as a rest, to provide a gap  
in the tune.

You are asked for the duration. This must be given in the number of  
semi-quavers the rest is for.

I.e. for a:    semi-quaver type 1  
                  quaver type 2  
                  crotchet type 4  
                  minim type 8 etc.

Any mistakes made cannot be corrected, you'll have to start again  
from scratch.

I may program a more user-friendly version of this in future.

## 1.30 sec\_e

### Limitations on the Unregistered Version

There are only 2 restrictions:

- 1) You can only hold a maximum of 60 presets in the database.  
(With the registered version there is no limit!)
- 2) You can't disable the About requester popping up when the program ↔  
loads.

For further information about registering (It doesn't cost much!) see  
Registering

## 1.31 sec\_f

Becoming a registered user

Why register?

Well :- 1) You can store as many presets as you like in the database.

2) You'll get a pre-made database with loads of presets in.  
(not just 50)

3) You'll get more tunes to audition the presets with.

4) You'll get free updates, unless a major new version is released.

5) You'll get a reduction on the price of registering to my Patch Editor program when I've finished it. It will be a lot better than any others currently available on the Amiga!

6) It's taken me ages to write, it'll be nice to see who's using it, and ↔  
get  
a bit of cash back in return for my efforts!

Here's How

The Price:	Through E-Mail	- 10 English Pounds.
	Through the post (UK)	- 11 English Pounds
	Through the post (Elsewhere)	- 12 English Pounds

Method of payment: Cash if you live outside the UK,  
otherwise a cheque will do.

Send payment to: James Hollingsworth,  
31 Long Gore,  
Farncombe,  
Surrey,  
GU7 3TE,  
ENGLAND.

Although you may think sending cash through the post is risky, I've done ↔  
it several  
times, and never had any trouble! I advise taping any coins to a piece of ↔  
card.

Don't forget to include your postal address and E-Mail address if you have ↔  
one.

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Once I've received payment, I'll post or E-Mail you the keyfile, with details on how to use it, along with the database, and further audition tunes.

Any queries, just write, phone :- 01483 422845  
or E-Mail :- SoundPalette@spiders.demon.co.uk

## 1.32 sec\_g

Plans for future versions of this software

This will partly depend on the ideas put forward by you and other users, but possible ideas I have are:

- 1) The ability to have several databases, maybe with more than one loaded at once.
- 2) I may possibly get this software to use the midi.library, so that other programs which use it can run at the same time.
- 3) In the mean time, I'm going to write an 05R/W commodity which will have a GUI the same as the front panel of the synthesiser, allowing you to control it easily from the Amiga. This, and any other software I write for the 05R/W, will then all run through it simultaneously.
- 4) A more user friendly Audition program for writing your own tunes.
- 5) Search functions to search the list of presets in the 05R/W for ones containing a keyword such as 'Piano', and then add all the found presets to the database at once.
- 6) Improved deletion of database presets. At the moment when you delete one, a search can be done to see if any other database presets use the same preset file, but no facility exists to let you remove those database presets also.
- 7) Possibly a search feature to search the database for a specific preset.
- 8) Possibly an even nicer GUI!

Any suggestions of your own, just write or E-Mail me, the addresses are here

## 1.33 sec\_h

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## Boring legal stuff

### This Software

The unregistered version is freely distributable. Give it to who you like, upload ↔ it to where you like, make as many copies as you like! All the audition files are also ↔ freely distributable, as are the presets that accompany this software. However, no charge must be made for the unregistered version above 2 English ↔ Pounds. It may appear on the Aminet CD-ROM, but any other CD-ROM compilers must have my expressed permission first.

The registered version is protected by copyright. It may not be copied, or ↔ uploaded to FTP/BBS sites, or distributed via PD Libraries, CD-ROMs etc.

### Disclaimer

Although every effort has been made in testing this software for bugs, I cannot ↔ guarantee it is bug free. I cannot accept any responsibility for any damage to your computer ↔ -hardware and/or data stored on disk resulting from the use of this package. If you do ↔ discover any bugs, let me know and I will correct them promptly, see Registering for how to contact me.

Any brand and product names used in this documentation are registered trademarks ↔ of their respective holders.

## 1.34 sec\_hist

### History

- v1.0 - First public release.
- v1.01 - Fixed minor bug with the preferences file.
- v1.02 - Default audition tune tempo changed to more suitable speed.