

Receptor Update

1.9.20111221



970 Obrien Drive, Menlo Park, CA 94025

650-326-5400

Release Notes

==WARNING==

This Update is intended for RECEPTOR 2 ONLY and requires RECEPTOR Update 1.8.20100924 or later before installing.

Installing the update

1. Download the installer from www.museresearch.com/suypport/updates.php
2. Connect your RECEPTOR 2 to your computer and launch Receptor Tools. Select "Receptor Drive" from the control panel of Receptor Tools.
3. Copy the file called "receptor-update-1.9.20111221-1.i386.mrpk" to your Receptor's Hard Drive "Drop Installers Here" folder.
4. Select "Install 1 File" from either the SETUP window or using the SETUP button on the Front panel. Your RECEPTOR will then restart. You may see a "failed to terminate process" window while shutting down. This is normal and can be ignored.
5. The front panel will indicate progress of installing the update. Once it is finished your RECEPTOR 2 will restart again and boot back up into a normal state.
6. After installing the update, please open the SETUP window (or select the Setup button from the front panel) then verify the System Version is now "1.9.20111221".
7. Perform a quick system check by verifying your plug-ins load and the system functions normally.
8. Congrats, you've updated your system to the latest release!!

New features

Smart Snapshots:



Smart Snapshots improve upon the existing snapshots feature by adding more flexibility to the way patches for individual channels are handled. With our standard Snapshot Bank feature, the plug-ins and their patches in a particular snapshot bank are "locked down" and remain static throughout the Bank. And if you change a sound and save it in a Snapshot Bank preset, then it is changed for ALL the presets in the bank. With our new Smart Snapshots feature, you can enable source level patch changes on individual channels on a preset basis. This lets you dramatically expand the palate of sounds available to you in a Snapshot Bank, while still providing speedy patch changes that you need. The benefit is that you can determine whether or not a plug-in's preset remains the same for the entire bank, or can change on preset-by-preset basis!

Note: if you are unfamiliar with snapshots please visit the link below and watch the video "part 6 chapter 4" <http://www.museresearch.com/support/tutorials.php>

How to use Smart Snapshots:

- 1) When you save the first patch of a snapshot bank a new **LOCK** icon will appear next to the source patches for each channel where a plug-in is loaded:



- 2) When this lock is CLOSED  the channel it is on will act like a normal snapshot, i.e. the loaded sounds will remain "locked" and will not change through the entire Bank. In the example above the patch <Acoustic Grand Piano> will remain loaded throughout all the patches in the entire snapshot bank, and will not change. Locking a channel prevents that channel from responding to patch changes, and it will always remain loaded as long as that Bank is active.
- 3) Click the lock icon to unlock the patch.  When the lock is open, the patches for this channel *can be changed* between patches, allowing for greater flexibility. Note that the Plug-in it cannot be changed between snapshot patches, but you can now load any patch associated with PS Keyboards throughout the Snapshot bank.
- 4) Once you save one of your channels as either LOCKED or UNLOCKED it must stay that way throughout the entire snapshot bank. Locking on smart snapshots cannot change in the middle of the snapshot bank.

IMPORTANT NOTE: Using Smart Snapshots only allows the SOURCE patch on an unlocked channel to be changed. When a channel in your snapshot is unlocked it will ALWAYS reload the assigned patch, even if it is the same patch used before. This means that, as you unlock more and more channels the time required to change patches will increase, so please use this function judiciously!

Improved USB Support

RECEPTOR has always supported connecting USB "device-compliant" MIDI keyboards for control of RECEPTOR. Version 1.9 update improves this support by allowing USB MIDI devices to be hot-swapped. This means that users can connect or disconnect USB MIDI keyboards and have them work properly without having to reboot RECEPTOR. RECEPTOR can support one USB keyboard AND one MIDI (5-pin DIN) keyboard simultaneously, but you cannot connect more than one USB MIDI device at a time.

Muse Support Tools:

Support Tools is a new suite of test and error reporting software designed to assist in the process of diagnosing hardware or network problems with a RECEPTOR. Support Tools enables you to deal with technical problems as fast as possible should they arise by presenting data on the front panel as well as providing some diagnostic routines that you can run. We've listed the major additions below, along with some information on how they work. When a major problem is found at startup the front panel, our tech support team may ask you to boot into "support tools" where you can run a series of tests to identify problems. Holding setup down and pressing on the power button 3 times can also enter support tools.

Diagnostic Self-Tests: Self-tests are a suite of diagnostics that verifies the RECEPTOR hardware for proper functionality. If a problem is found, the test will display an error code that will assist in the correction of the problem. These error codes can be looked up at the www.plugorama.com knowledge base.

System Info: Displays basic information about your Receptor's network address (if connected), software version, and hardware versions.

Networking: Enables network connection to a device even if that is not booting properly.

Expert: Contains more detailed versions of the tests found under self-tests. In most cases you will not need to access these tests unless our technical support staff asks you to.

Other: One of the best new features included in Support Tools is the ability to report and run FSCK hard drive integrity checks from the front panel. RECEPTOR has the ability to fix any file issues with the hard drive by running a disk check and going into a repair mode automatically repair any problems before booting up. If RECEPTOR does find a problem with a file on a disc, perhaps because of an improper shut down, then this will be reported on the front panel.

Should you see the disc check appear on the front panel during the boot process, please watch the progress indicator on the front panel when this happens. Once finished it'll startup as normal.

WARNING: Do NOT turn your RECEPTOR off while the hard disk check is running!! This can cause serious and permanent damage to your RECEPTOR's hard drive and cause it to become non-functional. Whenever you see the disk check program running let it finish its check before turning off the unit!

Bug Fixes

Kontakt 3.5 and Later: Improved Multi-core Processing

Kontakt 3.5, 4, and 5 have all had issues in RECEPTOR when running with multi-core processing enabled. Although the hardware was making use of the 2nd core, the software was encountering performance issues when it attempted to manage the cores.

This 1.9 update includes improvements in multi-core mode that lets you turn Multi-core processing on in RECEPTOR. This will allow most multi-core processing aware plug-ins to run more efficiently in concert with the hardware.

We recommend going into Kontakt's options menu and enabling dual core mode (Click on the "SETUP" tab and then select "engine"). Also go to Receptor's SETUP page and click on the "dual core mode" check box.

IMPORTANT: Kontakt has a feature called "background loading" that allows large libraries such as Session Strings Pro and Abbey Road Drums Series to load their sample data in the background. Since background loading of samples takes away a lot of the system bandwidth of the drive / memory subsystem, playing your RECEPTOR while samples are loading in the background may cause CPU spiking until the background sample loading is done. This can be avoided by disabling background loading in Kontakt (options > Load/Import), or by simply letting all the samples load before playing.

Networking:

Some models of RECEPTOR 2 have an issue reliably starting their networking services on initial power up, requiring you to unplug then re-plug the network cable to initialize networking correctly. This software update fixes this problem.