

# **Clarius+ V1.8.1 Hot Fix 1 (HF1)**

## **Release Notes & Installation Instructions**

### **Introduction**

This Hot Fix release is not intended for use by the wider 4200A-SCS customer base, but is intended for use by a selective group of customers that has requested the issue addressed in the Changes section below.

This document provides supplemental information regarding Clarius+ V1.8.1 Hot Fix 1. This information is grouped into two categories:

1. [Installation and Uninstallation Instructions](#) – Detailed instructions describing how to install this hot fix.
2. [Changes](#) – Summary of each change included in *Clarius+ V1.8.1 Hot Fix 1*.
3. [Usage](#) – Information pertaining to using the new content within this hot fix.

### **Installation and Uninstallation Instructions**

The Model 4200A-SCS Clarius+ V1.8.1 Hot Fix 1 (HF1) must be installed **AFTER** you have successfully installed Clarius+ V1.8.1.

If Clarius+ V1.8.1 software version is installed after the installation of the Hot Fix then the Hot Fix **MUST BE** reinstalled. The Hot Fix Backup directory will still be visible. Please delete the backup directory before proceeding to reinstall the Hot Fix.

Note that Clarius+ V1.5 and newer releases are only for 4200A-SCS systems running Microsoft Windows 10.

Before performing this installation, make sure that all of the Clarius+ programs and all Windows® programs, including any virus checkers, are stopped. Also, **DO NOT RUN** the **install.bat** from the zip folder; extract the files from the zip folder prior to performing the installation.

#### **Installation:**

**NOTE:** Please check the following directory, c:\S4200  
Does the folder, CLARIUSV1.8.1\_HF1\_BACKUP, exist?  
➤ **Yes:** This Hot Fix has been already installed.  
➤ **No:** Follow the Installation process below.

1. Extract the zipped hot fix folder to a known location.
2. Within the extracted hot fix folder, run the **install.bat** file. This will safely copy the needed files into their respective directories. This batch file will also copy and store files that are being replaced from the c:\s4200 folders into the folder c:\S4200\CLARIUSV1.8.1\_HF1\_BACKUP\.

#### **Uninstallation:**

**NOTE:** Please check the following directory, c:\S4200  
Does the folder, CLARIUSV1.8.1\_HF1\_BACKUP, exist?  
➤ **Yes:** Follow the Uninstallation process below.  
➤ **No:** This Hot Fix is not installed.

1. Within the extracted hot fix folder, run the **Uninstall.bat** file. This will restore files that were backed up to c:\S4200\CLARIUSV1.8.1\_HF1\_BACKUP\ during installation and delete files that were added because of installing the hot fix.

**Files new and/or updated in this Hot Fix:**

#	Category	File Name	Location
1	KXCI	Kxci.exe	C:\S4200\sys\bin

## Changes

### Problem Fixes

#### SCS-5265\AR64454

**Subsystem:** KXCI

**Symptom:** When calling the KXCI command “\*OPT?” on a 4200A-SCS containing 4201-SMUs or 4211-SMUs, the command will incorrectly return the string.

An example of a 4200A system configuration:

4201-SMU with PA  
4200-SMU with PA

Will return as:

PA1,SMUPA2

Valid return strings based on SMU configuration:

- SMU = Medium-power SMU without a preamplifier
- HPSMU = High-power SMU without a preamplifier
- SMUPA = Medium-power SMU with a preamplifier
- HPSMUPA = High-power SMU with a preamplifier

**Resolution:** Issue has been corrected. Updated Kxci.exe is provided in Hot Fix.

#### SCS-5266

**Subsystem:** KXCI

**Symptom:** In the following KXCI commands, "VL", "VR", "VC", and "VP", there is a compliance limit error check for the medium power SMU models at 0.105 Amps. The 4201-SMU was not part of the models being checked for this condition. A larger current compliance value can incorrectly be entered.

**Resolution:** Issue has been corrected. Updated Kxci.exe is provided in Hot Fix. The high power SMU models (4210-SMU and 4211-SMU) were properly being checked.