



CCM Express version 2.0 SP1 is the latest version of software available for the Medical Graphics' CCM Express® indirect calorimeter system.

Minimum System Requirements

- CCM Express v2.0

Warning: *It is recommended to review highlighted changes below prior to installing.*

IMPORTANT NOTE - The “legacy” version of the face tent fan (MGC PN 800703-002) is not operational in CCM Express v2.0. This issue was addressed with this service pack.

INSTALLATION

1. Download CCM Express v2.0 SP1 software. The software can be downloaded from the MGC Diagnostics website at: <http://www.mgcdiagnostics.com/support>.
2. Save or copy the software to a USB memory stick.
 - a. When downloaded from the MGC Diagnostics website, extract/unzip the 2.0.0.17 CCM Express.zip file.
3. Connect the USB memory stick to a USB port on the CCM Express system.
4. Double click on the setup.exe file from the extracted files downloaded from the MGC Diagnostics website.
5. After the software installation is run, it will begin to install the appropriate files to your hard drive.

LANGUAGE TRANSLATIONS

CCM Express v2.0 SP1 has been translated to the following languages:

- Italian
- Spanish
- French
- Portuguese

Highlighted Changes from CCM Express v1.1 SP1 to CCM Express v2.0

- **Vacuum sample pump no longer runs when data is sampled from the environmental sensor in order to improve precision of environmental measurements (refer to CCM Express Operator Manual PN 142156-001).**
- **Vacuum sample pump warm up time has been changed from 5 minutes to 30 minutes in order to ensure CO2 analyzer thermal stability. Vacuum can be turned on manually when system is powered on via Express Tools (refer to CCM Express Operator Manual PN 142156-001).**
- Added support for software controlled Face Tent Fan hardware.
- Added the ability to change variables on reports for time down and summary data.
- Added the ability to change breath detection methods for ventilator testing.
- Added the ability to add user defined predicted values.
- Correct issue related to deleting UN values.
- Added the ability to override or update temperature, barometric pressure, and humidity.

- Removed cal count from calibration report.
- Added ability to turn the sample vacuum pump on and off.
- Corrected issue with incorrect page numbers listed on time down report printout.
- Added predicted equations for Schofield, Owen, Mifflin and Cunningham, and updated Harris Benedict equation.
- Removed PF predicted and PF options from the Predicted Options screen.
- Added ability to modify dead space values in user interface.

Highlighted Changes from CCM Express v2.0 to CCM Express v2.0 SP1

- Corrected issue with setting room air values on the Canopy/Face Tent testing script.
- Added ability to modify breath thresholds for each testing script.