## Revision History

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<th>Issue</th>
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| 3.0   | September 2017 | Revision 3.0 is a post-production release of this document published in September 2017. The following is a summary of the changes:  
- arconf setcontrollerparam—Added SANITIZELOCK parameter.  
- arconf seeprom—Removed command. |
| 2.0   | February 2017  | Revision 2.0 is a post-production release of this document published in January 2017.  
- Downloading the Installation Packages—Removed ".exe" from the Linux command.  
- arconf getconfig—Added display of green backup information.  
- arconf getlogs—Clarified that the format is tabular not XML.  
- arconf playconfig—New command.  
- arconf romupdate—Updated download URL for .bin file.  
- arconf saveconfig—New command.  
- arconf setcontrollerparam—Added I2CADDRESS parameter and removed all others.  
- arconf setstate—Removed States RDY and EED.  
- task—Removed command |
| 1     | August 2016   | Pre-production release.                                                                              |
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1  Getting Started with the Command Line Utility

This utility allows you to:

- Display configuration settings
- Flash new firmware and BIOS onto the controller
- Enable the controller to check the removal and connection of any disk drives
- Provides access to the status and event logs of a controller

1.1  Installing the Command Line Utility

1.1.1  Downloading the Installation Packages

Complete these steps to download the ARCCONF installation package for your operating system(s):

1. Open a browser window, then type start.microsemi.com in the address bar.
2. Enter your product or adapter model number, then select HBA 1100.
3. Select Storage Manager Downloads, then select Adaptec ARCCONF Command Line Utility from the list of installers.
4. Download the ARCCONF installation package.
5. When the download completes, extract the package contents to the installation directory on your machine (Program Files or /opt, for instance).
6. On Linux systems, ensure that arcconf has 'execute' privilege:
   chmod arcconf +x

1.2  Starting the Command Line Utility

1. To start ARCCONF, enter one of the following commands:

<table>
<thead>
<tr>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windows</td>
<td>&lt;install_dir&gt;\arcconf.exe</td>
</tr>
<tr>
<td>Linux</td>
<td>/&lt;install_dir&gt;/arcconf</td>
</tr>
</tbody>
</table>

   where Install_dir is the directory where the utility is installed.

2. To see a list of available commands, type ARCCONF at the prompt. For help with a specific command, type ARCCONF <command_name> help.
2 Using the Command Line Utility

This chapter explains how to use the command line utility interactively or in batch mode. With interactive mode, enter commands at the prompt. In batch mode, create scripts and run the script in the appropriate shell, as described in the table below.

Table 1 • ARCCONF Batch Environments

<table>
<thead>
<tr>
<th>Environment</th>
<th>Batch File</th>
<th>Run Script</th>
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<tr>
<td>Windows</td>
<td>.bat</td>
<td>CMD.EXE</td>
</tr>
<tr>
<td>Linux/Unix</td>
<td>.sh</td>
<td>sh / bash</td>
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In either mode, if your command fails, you immediately see an error message of Command failed. Other script messages that you can get are Command completed successfully, or Command aborted.

The return values for each command are the same:

0x00: SUCCESS

0x01: FAILURE - The requested command failed

0x02: ABORT - The command was aborted because parameters failed validation

0x03: INVALID_ARGUMENTS - The arguments are incorrect. (Displays COMMAND help)

To view a list of commands at the command line, type ARCCONF and press Enter.

To access the online help for a specific command, type ARCCONF <command>, then press Enter.

2.1 ARCCONF Commands

The following commands are available in ARCCONF for the Microsemi Adaptec HBA 1100 Series adapter. The commands are described on the following pages, in alphabetical order. In the command descriptions, <> indicates a required parameter and [] indicates an optional parameter.

Table 2 • ARCCONF Commands

<table>
<thead>
<tr>
<th>atapassword</th>
<th>driverupdate</th>
<th>expanderlist</th>
<th>expanderupgrade</th>
<th>getconfig</th>
<th>getlogs</th>
<th>getsmartstats</th>
<th>getversion</th>
<th>identify</th>
<th>imageupdate</th>
<th>key</th>
<th>list</th>
<th>phyerrorlog</th>
<th>playconfig</th>
<th>rescans</th>
<th>romupdate</th>
<th>saveconfig</th>
<th>savesupportarchive</th>
<th>setboot</th>
<th>setcontrollerparam</th>
<th>setstate</th>
<th>smp</th>
<th>uartlog</th>
<th>uninits</th>
</tr>
</thead>
</table>

Note: This guide describes commands that are supported by Microsemi Adaptec HBA 1100 Series adapters only. ARCCONF supports commands for other controller models that are not listed in the table above. If you attempt to execute any command that is not described in this guide, the firmware returns an error.
2.2 arcconf atapassword

Description
Sets or clears the password for SATA drives.

Syntax
ARCCONF ATAPASSWORD <Controller#> SET <new password> <Channel# ID#> ...
ARCCONF ATAPASSWORD <Controller#> CLEAR <current password> <Channel# ID#> ...

Parameters
new password | current password
   New password, current password.
Channel/ID
   Lists the space-delimited channel number and device number (ID) pairs for each drive on which to set or clear the password.

Examples
ARCCONF ATAPASSWORD 1 SET uR8ryx 0 1
ARCCONF ATAPASSWORD 1 CLEAR uR8ryx 0 1

2.3 arcconf driverupdate

Description
Updates the Windows device driver for the controller.

Note: This command is available on Windows systems only.

Syntax
ARCCONF DRIVERUPDATE <DirName> [nologs]

Parameters
DirName
   Absolute path to directory containing the Windows driver.
Nologs
   Optional parameter that suppresses log output.

Examples
ARCCONF DRIVERUPDATE C:\WINDOWSALL
### 2.4 arcconf expanderlist

**Description**

Returns a list of disk drive expanders on a controller.

**Syntax**

\[\text{ARCCONF EXPANDERLIST} \ <\text{Controller}\#>\]

**Parameters**

- **Controller\#**
  - Controller number.

**Examples**

ARCCONF EXPANDERLIST 1

### 2.5 arcconf expanderupgrade

**Description**

Allows new firmware to be flashed to an enclosure or expander.

**Syntax:**

\[\text{ARCCONF EXPANDERUPGRADE} \ <\text{Controller}\#> \ \text{ENCLOSURE} \ <\text{Connector}\# \ \text{Channel}\# \ \text{ID}\#> \ [\text{ChunkSize}\#] \ <\text{UpgradeType}> \ <\text{Filename}> \ [\text{Mode}\#] \ [\text{noprompt}]\]

**Parameters**

- **Controller\#**
  - Controller number.
- **Channel\#**
  - Channel number of the device to be updated.
- **ID\#**
  - Device number of the device to be updated.
- **Connector\#**
  - Connector number of the device to be updated.
- **ChunkSize\#**
  - Chunk size, in bytes, to be used to update the firmware. Default is 65536 bytes.
- **Filename**
  - Name of the firmware update file.
- **UpgradeType**
  - EXPANDER—update the firmware image on the expander or enclosure
  - MFG—update the manufacturing image (BOOT SEEPROM) on the expander or enclosure
  - CPLD—update the CPLD image on the expander or enclosure

**Note:** MFG and CPLD upgrade types are supported on the Microsemi Adaptec AEC-82885T expander only.
Mode#

The Mode parameter applies to EXPANDER and MFG upgrade types only. Valid values are:

- 2—download microcode only; requires system reset or power cycle to activate (default)
- 6—download microcode with offsets and activate
- 7—download microcode with offsets, save, and activate

Noprompt

Optional parameter that suppresses alert messages.

Examples

```
arccf EXPANDERUPGRADE 1 ENCLOSURE 2 0 0 1024 EXPANDER C:\FirmwareImage.bin 7
arccf EXPANDERUPGRADE 1 ENCLOSURE 2 0 0 512 MFG C:\FirmwareImage.rom 6
arccf EXPANDERUPGRADE 1 ENCLOSURE 2 0 0 256 CPLD C:\CPLDImage.bin noprompt
```

2.6 arccf getconfig

Description

Lists information about controllers, physical drives, including:

- Controller type, status, World Wide Name (WWN), manufacturing information, and mode
- BIOS, boot block, device driver, and firmware versions
- Device type, device ID, presence of PFA
- Physical device state, mount point (for drives with OS partition)
- Enclosure information: fan, power supply, and temperature status
- SGPIO virtual SEP information (virtual enclosure device for SGPIO backplanes)
- Connector/Lane/Phy mapping
- Green backup details

Also displays controller BIOS settings if you do not include a device-type keyword.

**Note:** When displaying adapter information (AD keyword), the Controller Status field is set to **Ok** or **Not Ok**. Its value is set to **Not Ok** only if:

1. Communication with the controller fails. This occurs when the driver returns an error code after attempting to send a command to the controller.

Syntax

```
ARCCONF GETCONFIG <Controller#> [AD|PD|AL|CN]
```

Parameters

- **Controller#**
  - Controller number
  - **AD/PD/AL...**
    - AD—Adapter information only
    - PD—Physical device information only
    - CN—Connector information only
    - AL—All information

Examples

```
ARCCONF GETCONFIG 1
```

Controller BIOS Setting Information
2.7 arccf conf getlogs

Description

Provides access to controller status, event logs, and usage statistics, including:

- A log of device errors that the controller encountered
- A log that records any occurrences of defunct devices
- A log of special events that may have occurred
- A log of controller usage statistics, including Inter-I/O Read and Write times and I/O Completion Read and Write times
- A log of supported hardware components on the controller

Syntax

ARCCONF GETLOGS <Controller#> <Type1> EVENT <tabular>
ARCCONF GETLOGS <Controller#> <Type2> [tabular] [nologs]
ARCCONF GETLOGS <Controller#> <Type4> <HardwareType#> [nologs]
ARCCONF GETLOGS <Controller#> DEVICE <clear> <ErrorType#> [<Channel# ID#>|ALL] [nologs]

Parameters

Controller#
Controller number.

Type1
One of the following:

- DEVICE—device error log
- DEAD—dead (failed) drive log
- EVENT—controller event log

Type2
STATS—controller statistics data

Type4
One of the following:

- Cache Memory
- NVSRAM

ErrorType
One of the following:

- 1—Parity Error Counter
2—Link Failure Counter
3—Hardware Error Counter
4—Aborted Commands Counter
5—Medium Error Counter
6—SMART Warning Counter

Clear
Clears the specified log from the controller or a specific error counter for one or all physical drives on a controller.

Channel/ID
Channel and number of the physical device on the controller.

Tabular
Displays the log or statistics in tabular format instead of XML format.

Examples

ARCCONF GETLOGS 1 EVENT tabular
ARCCONF GETLOGS 1 STATS tabular
ARCCONF GETLOGS 1 DEVICE clear 3 ALL

2.8 arccconf getsmartstats

Description
Displays SMART statistics for the hard drives and Solid State Drives (SSDs) on a controller.

Syntax

ARCCONF GETSMARTSTATS <Controller#> [Tabular]

Parameters

Controller#
Controller number.

Tabular
Creates output in tabular format.

Examples

ARCCONF GETSMARTSTATS 1
ARCCONF GETSMARTSTATS 1 TABULAR

2.9 arccconf getversion

Description
Lists version information for all controllers or a specific controller’s software components, including information about the BIOS, driver, firmware currently running, and firmware that will run after a reboot.
Using the Command Line Utility

Syntax

ARCCONF GETVERSION
ARCCONF GETVERSION <Controller#>

Parameters

Controller#
Controller# is the controller number

Examples

ARCCONF GETVERSION
ARCCONF GETVERSION 1

2.10 arcconf identify

Description

Identifies a physical device by blinking its LEDs.

Syntax

ARCCONF IDENTIFY <Controller#> ALL [TIME <BlinkTime>] [STOP] [nologs]
ARCCONF IDENTIFY <Controller#> DEVICE <Channel# ID#> ... [TIME <BlinkTime>] [nologs]
ARCCONF IDENTIFY <Controller#> ARRAY <Array#> [TIME <BlinkTime>] [nologs]

Parameters

Controller#
Controller number
Channel# ID#
Channel number and ID number for the physical device(s) to be identified
ALL
Blinks all physical devices on the controller for 1 hour or until the STOP command is issued
TIME <BlinkTime>
Time, in seconds, for the LEDs to continue blinking
STOP
Stops blinking the device

Examples

ARCCONF IDENTIFY 1 DEVICE 0 0

ARCCONF IDENTIFY 1 DEVICE 0 0
ARCCONF IDENTIFY 1 ALL
ARCCONF IDENTIFY 1 ALL STOP
2.11  arcconf imageupdate

Description

Allows new firmware to be flashed to the hard drive.

Syntax:

ARCCONF IMAGEUPDATE <Controller#> DEVICE <Channel# ID# ChunkSize# Filename> [Mode#] [BufferID#] [noprompt]

Parameters

- Controller#
  - Controller number.
- Channel#
  - Channel number of the device to be updated.
- ID#
  - Device number of the device to be updated.
- ChunkSize#
  - Chunk size, in bytes, to be used to update the firmware.
  - Note: For SATA drives, the chunk size must be a multiple of 512.
- Filename
  - Name of the firmware update file.
- Mode#
  - Firmware update mode. Valid values for physical drives are:
    - 3-(SATA) Download with offsets and save image for immediate and future use
    - 7-(SAS) Download microcode with offsets, save, and activate
- BufferID#
  - Mandatory for tape drive firmware update.
- Noprompt
  - Optional parameter that suppresses alert messages.

Examples

ARCCONF IMAGEUPDATE 1 DEVICE 0 0 16384 ados.lod 3

2.12  arcconf key

Description

Loads a feature key onto a Microsemi Adaptec controller.

Syntax

ARCCONF KEY <Controller#> SET <Key#>
Using the Command Line Utility

Parameters

Controller#
The controller number.

Key#
The key number provided by Microsemi.

Examples

ARCCONF KEY 1 SET ABCDEFHIJKLMNOPQRSTUVWX

2.13 arcconf list

Description

Lists all controllers in the system, or the configuration of a specific controller.

Syntax

ARCCONF LIST [Controller#]

Parameters

Controller#
The controller number.

Examples

ARCCONF LIST
ARCCONF LIST 1

2.14 arcconf phyerrorlog

Description

Displays PHY error logs for physical devices on a controller.

Syntax

ARCCONF PHYERRORLOG <Controller#> DEVICE <Channel# ID#>
ARCCONF PHYERRORLOG <Controller#> DEVICE ALL

Parameters

Controller#
Controller number.

Channel/ID
Channel and number of the physical device on the controller.
ALL
Displays PHY error log for all physical devices.
Examples

ARCCONF PHYERRORLOG 1 DEVICE 0 0
ARCCONF PHYERRORLOG 1 DEVICE ALL

2.15  arcconf rescan

Description

Enables the controller to check for the removal of any disk drives and to check for the connection of any new disk drives to the controller. Controller rescan runs in the background, asynchronously. When rescan is started, a message is displayed stating that the process is running in the background and may take 10 minutes to complete. Another message is displayed if a rescan is started while one is already in progress.

Syntax

ARCCONF RESCAN <Controller#> [nologs]
ARCCONF RESCAN ALL [nologs]

Parameters

Controller#
   The controller number
ALL
   Rescans all controllers in the system

Examples

ARCCONF RESCAN 1
ARCCONF RESCAN ALL

2.16  arcconf playconfig

Description

Configures a controller using a XML server template file produced by the SAVECONFIG command (see arcconf saveconfig on page 20). Use this command to deploy the same controller configuration on multiple servers in your storage space.

Note:

1. The XML server template file (default, saveconfig.xml) is editable. For example, you may need to change the disk drive capacity, logical drive size, or RAID level.

2. Drives from the same vendor with slightly different capacities (147GB vs 150GB, for instance) are considered interchangeable. If the interchange results in a change in logical drive capacity, the drive is scaled, as needed. For example, if the new drives have 4% more capacity due to vendor or model changes, then all logical drives are increased in size by 4%.

3. Be sure to check the log file to verify that the controller was configured successfully. The exit codes, shown below, indicate the success or failure of the operation and if the system needs to be rebooted.
**Syntax**

ARCCONF PLAYCONFIG <Input XML File> [LogFile] [FORCE ALL|LOGICALSIZE] [SLOTID]

**Parameters**

**Input XML File**

The pathname of the server template file. The default server template file is available at C:\PMCS\Logs\saveconfig.xml.

**LogFile**

Sets the pathname of the error log file. By default, the error log is available at C:\PMCS\Logs\playconfig.log.

**FORCE**

Forces deployment of the server even if the controller does not support all features, or the drive capacity does not match the configuration in the input XML file. Use FORCE ALL to force deployment of all features; use FORCE LOGICALSIZE to force deployment of just the logical drives.

**SLOTID**

Apply the configuration based on Slot ID instead of Device ID.

**Examples**

ARCCONF PLAYCONFIG server1_config.xml playconfig.log FORCE ALL

2.17 **arcconf romupdate**

**Description**

Allows new firmware and BIOS to be flashed to the controller. A reboot is required for the new firmware to take effect.

**Note:**

1. This command is supported on all OSs that support maxView Storage Manager.
2. You can download the .bin update files from the Support area at www.start.microsemi.com.

**Syntax**

ARCCONF ROMUPDATE <Controller#> <BaseName> [newversion <build#> [force]] [noprompt] [nologs]

**Parameters**

**Controller#**

The controller number.
BaseName
Absolute path to the controller image file.

Newversion <build#>
Specifies the version of the firmware build.

Force
An optional parameter used to force a down-level firmware update. Valid only if Newversion parameter is specified.

Noprompt
An optional parameter that suppresses the confirmation prompt.

Examples
ARCCONF ROMUPDATE 1 /usr/home/AC220001.BIN
ARCCONF ROMUPDATE 1 C:\firmwareImage\as483c.bin newversion 12345 force noprompt

2.18 arcconf saveconfig

Description

Note: This command is supported on all OSs that support maxView Storage Manager.

Saves the controller configuration to a XML server template file, including the controller type, operational settings, physical drive size, logical drive size, RAID level, and more. Use this file with the PLAYCONFIG command to deploy the same controller configuration to other servers in your storage space; see arcconf playconfig on page 18 for more information.

Note: Be sure to check the log file to verify that the configuration XML file was created successfully. The exit codes, shown below, indicate the success or failure of the operation.

<table>
<thead>
<tr>
<th>Code</th>
<th>Value</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUCCESS</td>
<td>0</td>
<td>Configuration XML generated successfully.</td>
</tr>
<tr>
<td>FAILURE_GENERAL</td>
<td>1</td>
<td>An error occurred and the configuration XML could not be generated.</td>
</tr>
</tbody>
</table>

Syntax
ARCCONF SAVECONFIG [Input XML File] [LogFile]

Parameters

Input XML File
The pathname of the server template file. The default name (if you omit this parameter) is C:\PMCS\Logs\saveconfig.xml.

LogFile
The pathname of the error log file. By default, the error log is available at C:\PMCS\Logs\saveconfig.log.

Examples
ARCCONF SAVECONFIG server1_config.xml C:\LOGS\SERVER1.LOG
2.19 arcconf savesupportarchive

Description

Saves configuration and status information to help diagnose a problem with your system. Saved information includes device logs, drive logs, event logs, error logs, controller logs, history logs, basecode logs, and SSD SMART statistics.

By default, the log files are saved in the Support folder in the standard logs directory for your operating system (/var/log for Linux, and so on).

Syntax

ARCCONF SAVESUPPORTARCHIVE [Path] [Firmware|Arcconf|Storlib|Basecode]

Parameters

Path
Path to store the log files.

Log type:
One of these log files:
- Firmware: saves Firmware logs
- Arcconf: saves Arcconf logs
- Storlib: saves StorLib logs
- Basecode: saves basecode logs

Examples

ARCCONF SAVESUPPORTARCHIVE
ARCCONF SAVESUPPORTARCHIVE Firmware

2.20 arcconf setboot

Description

Sets the controller as a boot device for the system. This command is available only when the controller is offline.

Syntax

ARCCONF SETBOOT <Controller#> DEVICE <Channel# ID#> TYPE <Boot Type> [nologs]
ARCCONF SETBOOT <Controller#> ENABLE

Parameters

Controller#
Controller number

Channel# ID#
Channel and ID of the physical device to mark as the boot device

TYPE <Boot Type>
Boot type:
- Primary - Primary boot device
• Secondary - Secondary boot device
• None - Non-bootable

ENABLE
Sets the controller as a boot controller

Examples

ARCCONF SETBOOT 1 DEVICE 0 5 TYPE secondary
ARCCONF SETBOOT 1 ENABLE

2.21 arcconf setcontrollerparam

Description
Changes a parameter of a controller.

Syntax

ARCCONF SETCONTROLLERPARAM <Controller#> QUEUEDEPTH <QDepth> [nologs]
ARCCONF SETCONTROLLERPARAM <Controller#> SPAREACTIVATIONMODE <Mode> [nologs]
ARCCONF SETCONTROLLERPARAM <Controller#> ELEVATORSORT <Enable | Disable> [nologs]
ARCCONF SETCONTROLLERPARAM <Controller#> LATENCY <Latency> [nologs]
ARCCONF SETCONTROLLERPARAM <Controller#> I2CADDRESS <i2cAddress> <i2cClockSpeed> <i2cClockStretching> [nologs]
ARCCONF SETCONTROLLERPARAM <Controller#> SANITIZELOCK <sanitizeLock>

Parameters

QUEUEDEPTH
Sets the queue depth for the controller.

SPAREACTIVATIONMODE
Switches the spare activation mode of the controller from the default behavior of activation on failure only to predictive spare activation and back.
- Mode
  - 0—Activate on failure.
  - 1—Activate on predictive failure.

ELEVATORSORT
Sets the elevator sort for the controller.
- Enable—Enables elevator sort.
- Disable—Disables elevator sort.

LATENCY
Sets the flexible latency scheduler.
- Latency
  - 0—Disable.
  - 1—Low. Sets value to 250.
  - 2—Medium. Sets value to 100.
  - 3—High. Sets value to 50.
  - 4—Aggressive level 1. Sets value to 30.
  - 5—Aggressive level 2. Sets value to 10.

I2CADDRESS
Sets the I2C address of the controller. Sets the I2C clock speed.
• i2cAddress. Hexadecimal input from range of 0x00–0xFF.
• i2cClockSpeed. Sets the I2C clock speed.
  • 0: I2C Clock Speed Disable (Default).
  • 2: I2C Clock Speed 100 kHz.
  • 3: I2C Clock Speed 400 kHz.
• i2cClockStretching. Sets the I2C clock stretch..
  • Enable—Enables clock stretching.
  • Disable—Disables clock stretching.

SANITIZELOCK

Sets the sanitize lock on the controller. Applies a controller-wide sanitize lock freeze/anti-freeze policy.

• sanitizeLock
  • None—Default setting.
  • Freeze—Freezes the Sanitize operation on all supported drives.
  • AntiFreeze—Blocks setting the Freeze mode on all supported drives. Prevents further attempts to freeze the Sanitize operation on the hard drive.

Examples

```
SETCONTROLLERPARAM 1 QUEUEDEPTH 16
SETCONTROLLERPARAM 1 SPAREACTIVATIONMODE 0
SETCONTROLLERPARAM 1 ELEVATORSORT disable
SETCONTROLLERPARAM 1 LATENCY 2
SETCONTROLLERPARAM 1 I2CADDRESS 0x05 0 Disable
SETCONTROLLERPARAM 1 SANITIZELOCK Freeze
```

2.22  arconf setstate

Description

Changes the state of a physical device to the designated state.

Syntax

```
ARCCONF SETSTATE <Controller#> DEVICE <Channel#> <Device#> <State> [noprompt]
```

Parameters

Controller#
  The controller number
Channel#
  The channel number for the drive.
Device#
  Device number for the device.
State
  • DDD—Force a drive offline (to Failed).

Noprompt:
  No prompt for confirmation.

Examples
### 2.23 arcconf smp

**Description**

Sends a SAS Management Protocol (SMP) function request to a SMP target device.

**Syntax:**

```bash
ARCCONF SMP <Controller#> Enclosure <Connector# Channel# Device#> Expander <Expander#> [ASCII]
ARCCONF SMP <Controller#> Enclosure <Connector# Channel# Device#> Expander <Expander#> <CommandType2 PHY#> [ASCII]
```

**Parameters**

- **Controller#**
  - Controller number.
- **Connector# Channel# ID#**
  - Connector ID, Channel ID and Device ID of the enclosure that contains the expander.
- **Expander#**
  - Expander number on the controller (SMP target device).
- **PHY#**
  - The PHY Identifier (valid only for Discover and PHY Error Log Request).
- **CommandType#**
  - **CommandType1:**
    - RGR - Report General Request
    - RMR - Report Manufacturer Request
  - **CommandType2:**
    - DR - Discover Request
    - RPELR - Report PHY Error Log Request
- **ASCII**
  - Displays the SMP response in ASCII format along with Hex formatted output.

**Examples**

```bash
ARCCONF SMP 1 Enclosure 1 2 0 Expander 0 RGR
ARCCONF SMP 1 Enclosure 1 2 0 Expander 1 DR 0
```

### 2.24 arcconf uartlog

**Description**

Starts a console for UART command execution.

**Syntax**

```bash
ARCCONF UARTLOG <Controller#> CONSOLE [noprompt] [nologs]
```
Parameters

Controller#
Controller number

CONSOLE
Starts an interactive UART console to run commands. Enter commands one line at a time. Type "exit" to stop.

Noprompt:
No prompt for confirmation.

Example

ARCCONF UARTLOG 1 CONSOLE

2.25 arcconf uninit

Description

Uninitializes one or more physical drives. The uninitialize command clears Microsemi Adaptec meta-data and any OS partitions from a drive; existing data on the drive is destroyed.

Note: Uninitialized drives are compatible with any HBA and can be exchanged with drives on the motherboard’s SATA interface.

Syntax:

ARCCONF UNINIT <Controller#> <Channel# Drive#> [Channel# Drive#] ... [nologs]
ARCCONF UNINIT <Controller#> ALL [nologs]

Parameters

Controller#
Controller number.

Channel#
The channel number of the device to be uninitialized.

Drive#
The drive number of the device to be uninitialized.

ALL
Uninitializes all physical devices on the controller.

nologs
Suppresses log output for the command.

Examples

ARCCONF UNINIT 1 0 12 0 13
ARCCONF UNINIT 1 ALL
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