



JMS56X

RAID Manager Console

User Guide

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Rev.1.01

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Revision History

Revision	Date	Editor	Revision Description
1.00	2015/02/11	Wu	Initial Release
1.01	2015/02/16	Wu	Modified corresponding pictures for 561/562

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1. Introduction

This guide explains how to use JMS56X RAID Manager Console to configure RAID and monitor the status of the disks connected on JMS56X hardware RAID controller.

Once JMS56X RAID Manager Console is launched, the application will show the command line interface at the terminal window.

For the consideration of different user needs, this application already implemented some valid commands to support corresponding functions (Figure 1) .

```
JMS56X HW RAID Manager V8.0.0.1
(C) 2009~2015 JMicron Tech, Corp. Command Line Interface RAID Manager For JMS56X
.
JMS56X>
Valid commands set are:
=====
GC ----- Get avail JMS56X
DC C[ n] ----- Display controller info
SR C[ n] ----- Show avail RAID info
SS C[ n] ----- Show avail SATA info
SM C[ n] D[ n] ----- Show disk S. M. A. R. T. info
CR C[ n] D[ 0, ..., 2] R0| R1| JBOD ----- Create RAID
DR C[ n] R[ n] ----- Delete RAID
SF C[ n] ----- Show firmware version
SA C[ n] ----- Set alarm mute
GR C[ n] R[ n] ----- Get rebuilding percentage
ID C[ n] D[ n] ----- Identify disk
ST C[ n] R[ n] timer ----- Set standby timer
AS C[ n] D[ n] R[ n] ----- Add spare disk
DS C[ n] D[ n] R[ n] ----- Delete spare disk
RA C[ n] R[ n] 0/1 ----- Pause/Resume rebuilding
EX ----- Exit
JMS56X> [ ]
```

Figure 1 – Command Line Interface RAID Manager for JMS56X

2. Getting Started

The following sections will lead users go through these commands. Let users can manipulate this application.

2.1 GC Command



Description

GC – Get Avail JMS56X.

Parameter

N/A

Sample :

1. \$ GC

This command is in order to get all avail JMS56X controllers.

2.2 DC Command

Description

DC C[n] – Display controller info.

Parameter

C[n] : Controller Number n

Sample :

1. \$ DC C0

This command is in order to display corresponding info. on the controller number 0.

2.3 SR Command

Description

SR C[n] – Show avail RAID info.

Parameter

C[n] : Controller Number n

Sample :

1. \$ SR C0

This command is in order to show avail RAID info. on the controller number 0.

2.4 SS Command

Description

SS C[n] – Show avail SATA info.

Parameter

C[n] : Controller Number n

Sample :

1. \$ SS C0

This command is in order to show avail SATA info. on the controller number 0.



2.5 SM Command

Description

SM C[n] D[n] – Show disk S.M.A.R.T. info.

Parameter

C[n] : Controller Number n

D[n] : Disk Number n

Sample :

1. \$ SM C0 D0

This command is in order to show S.M.A.R.T. info. of the disk number 0 on the controller number 0.

2.6 CR Command

Description

CR C[n] D[0,...,2] R0|R1|JBOD – Create RAID.

Parameter

C[n] : Controller Number n

D[0,...,2] : Disk Number 0...2

R0|R1|JBOD : RAID Level, R0、R1 and JBOD

Sample :

1. \$ CR C0 D[0,1] R0

This command is in order to create RAID 0 using disk number 0, 1 on the controller number 0.

2. \$ CR C0 D[0,1] R1

This command is in order to create RAID 1 using disk number 0, 1 on the controller number 0.

2.7 DR Command

Description

DR C[n] R[n] – Delete RAID.

Parameter

C[n] : Controller Number n

R[n] : RAID Group Number n

Sample :

1. \$ DR C0 R0

This command is in order to delete RAID group number 0 on the controller number 0.



2.8 SF Command

Description

SF C[n] – Show firmware version.

Parameter

C[n] : Controller Number n

Sample :

1. \$ SF C0

This command is in order to show firmware version on the controller number 0.

2.9 SA Command

Description

SA C[n] – Set alarm mute.

Parameter

C[n] : Controller Number n

Sample :

1. \$ SA C0

This command is in order to set alarm mute on the controller number 0.

2.10 GR Command

Description

GR C[n] R[n] – Get rebuilding percentage.

Parameter

C[n] : Controller Number n

R[n] : RAID Group Number n

Sample :

1. \$ GR C0 R0

This command is in order to get rebuilding percentage of the RAID group number 0 on the controller number 0.

2.11 ID Command

Description

ID C[n] D[n] – Identify disk.

Parameter

C[n] : Controller Number n



D[n] : Disk Number n

Sample :

1. \$ ID C0 D0

This command is in order to identify the disk number 0 on the controller number 0.

2.12 ST Command

Description

ST C[n] R[n] timer – Set standby timer.

Parameter

C[n] : Controller Number n

R[n] : RAID Group Number n

timer : Standby timer value (1 unit = 10 seconds)

Sample :

1. \$ ST C0 R0 2

This command is in order to set standby timer value 2 (2 unit = 20 seconds) for the RAID group number 0 on the controller number 0.

2.13 AS Command

Description

AS C[n] D[n] R[n] – Add spare disk.

Parameter

C[n] : Controller Number n

D[n] : Disk Number n

R[n] : RAID Group Number n

Sample :

1. \$ AS C0 D0 R0

This command is in order to add spare disk number 0 for the RAID group number 0 on the controller number 0.

2. \$ AS C0 D1 R0

This command is in order to add spare disk number 1 for the RAID group number 0 on the controller number 0.

2.14 DS Command

Description

DS C[n] D[n] R[n] – Delete spare disk.



Parameter

C[n] : Controller Number n

D[n] : Disk Number n

R[n] : RAID Group Number n

Sample :

1. \$ DS C0 D0 R0

This command is in order to delete spare disk number 0 for the RAID group number 0 on the controller number 0.

2. \$ DS C0 D1 R0

This command is in order to delete spare disk number 1 for the RAID group number 0 on the controller number 0.

2.15 EX Command

Description

EX – Exit.

Parameter

N/A

Sample :

1. \$ EX

This command is in order to exit program.

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