# AX2200S
# AX1250S
# AX1240S

## Software Manual Corrections
## (For Version 2.4.A)

**AlaxalA**

■Preface

This document contains corrections that have been made to the AX2200S/AX1250S/AX1240S software manuals (All Rights Reserved, Copyright(C), 2008, 2012, ALAXALA Networks, Corp.). When you read a manual listed in the following table, please also read this document. The table below lists the software manuals to which the corrections in this document apply.

| No. | Manual name | Manual number | Editions history |
|---|---|---|---|
| 1 | AX2200S/AX1250S/AX1240S Software Manual Configuration Guide Vol. 1 (for Version 2.4) | AX1240S-S001X-60 | July 2012 |
| 2 | AX2200S/AX1250S/AX1240S Software Manual Configuration Guide Vol.2 (for Version 2.4) | AX1240S-S002X-70 | July 2012 |
| 3 | AX2200S/AX1250S/AX1240S Software Manual Configuration Command Reference (for Version 2.4) | AX1240S-S003X-60 | July 2012 |
| 4 | AX2200S/AX1250S/AX1240S Software Manual Operation Command Reference (for Version 2.4) | AX1240S-S004X-60 | July 2012 |
| 5 | AX2200S/AX1250S/AX1240S Software Manual Message and Log Reference (for Version 2.4) | AX1240S-S005X-60 | July 2012 |
| 6 | AX2200S/AX1250S/AX1240S Software Manual MIB Reference (for Version 2.4) | AX1240S-S006X-60 | July 2012 |

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■Note

Information in this document is subject to change without notice.

■Editions history

October 2012 (Edition 1)

April 2013 (Edition 2)

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■ History of amendments (Edition 2)

| No. | Location and title | Changes |
|---|---|---|
| Operation Command Reference | | |
| | 7　Checking Software Versions and Device Statuses | • A note was added explaining that a specific update procedure is required depending on the response message output when the `restore` command is executed. |

■ History of amendments (Edition 1)

| No. | Location and title | Changes |
|---|---|---|
| -- | Newly created | • Corrections to the manuals for Ver.2.4 were made. |

# Contents

# 1.    Changes in Configuration Guide Vol. 1 (For Version 2.4) (AX1240S-S001X-60)

No corrections.

# 2. Changes in Configuration Guide Vol. 2 (For Version 2.4) (AX1240S-S002X-70)

## 24 Port Mirroring

### 24.1 Description

#### 24.1.2 Notes applying when port mirroring is used [Addition]

The following notes have been added to *(2) Notes applying when port mirroring is used*:

Addition:

10. When sent frames are mirrored, even if communication is not possible on the monitoring port due to any of the following statuses, some frames are mirrored.
   - Blocking, Discarding, Listening, or Learning status caused by the Spanning Tree Protocols
   - Blocking status caused by the Ring Protocol
   - Standby port for uplink redundancy

   Frames to be mirrored are as follows:
   - Frames to be flooded
   - Frames that match entries in the MAC address table while the MAC address table is being cleared to prevent the status of the monitoring port from being sent

# 3.  Changes in Configuration Command Reference (For Version 2.4) (AX1240S-S003X-60)

No corrections.

# 4. Changes in Operation Command Reference (Version 2.4) (AX1240S-S004X-60)

## 7 Checking Software Versions and Device Statuses

### (1) show version [Change]

The beginning part of the command description and a part of the meanings in *Table 7-1 Information displayed by the show version command* have been changed as follows:

Before change:

Displays the software version and hardware revision installed on the Switch.

Display Items

**Table 7-1 Information displayed by the show version command**

| Item | Display format | Meaning |
|------|----------------|---------|
| Model | (omitted) | (omitted) |
| S/W | (omitted) | (omitted) |
| H/W | Hardware information | Displays hardware information. (omitted) *hhhhh*: Hardware model *SSS...SSS*: Serial information *R*: Hardware revision |

After change:

Displays the software version and hardware information installed on the Switch.

Display Items

**Table 7-1 Information displayed by the show version command**

| Item | Display format | Meaning |
|------|----------------|---------|
| Model | (omitted) | (omitted) |
| S/W | (omitted) | (omitted) |
| H/W | Hardware information | Displays hardware information. (omitted) *hhhhh*: Hardware model *SSS...SSS*: Serial information *R*: Manufacturer information |

## *(2) restore [Addition]*

The following note has been added:

Addition:

Notes

    - If the response message `Restore operation failed.` is displayed, a specific update procedure might be required. For details, see the *Troubleshooting Guide*.

# 11    *Software Update*

## *(1) ppupdate [Change]*

A part of the descriptions in *Table 11-1 List of response messages for the ppupdate command* has been changed as follows, and a note has been added to *Notes*:

Before change:

Response messages

**Table 11-1   List of response messages for the ppupdate command**

| Message | Description |
| --- | --- |
| (omitted) | (omitted) |
| Can't update software.[Hardware rev.x] | Check the hardware revision number of the target device by using the `show version` command. |
| (omitted) | (omitted) |

After change:

Response messages

**Table 11-1   List of response messages for the ppupdate command**

| Message | Description |
| --- | --- |
| (omitted) | (omitted) |
| Can't update software.[Hardware rev.x] | The specified update file cannot be used for the update. |
| (omitted) | (omitted) |

Addition:

Notes

    - If the response message `Can't update software. [Hardware rev.]` is displayed, a specific update procedure is required. For details, see the *Troubleshooting Guide*.

# 5.    Changes in Message and Log Reference (For Version 2.4) (AX1240S-S005X-60)

## 2   Switch Failure and Event Information

### 2.6   Switch

#### 2.6.1   Event location = ROM   [Change]

*Table 2-64 Switch ERROR information when the event location is ROM* has been changed as follows:


Before change:

**Table 2-64 Switch ERROR information when the event location is ROM**

| No. | Event level | Event location | Ref. Code | Message text |
|-----|-------------|----------------|-----------|--------------|
| | **Description** | | | |
| 7 | ERROR | ROM | 29300100 | **FROM write fail [cnt=*xxxxxxxx*,size=*xxxxxxxx*,err=*xxxxxxxx*]** |
| | Writing to flash memory failed when executing the ppupdate or restore operation command. | | | |
| | cnt=*xxxxxxxx*: Cause code (information for vendor analysis) | | | |
| | size=*xxxxxxxx*: Cause code (information for vendor analysis) | | | |
| | err=*xxxxxxxx*: Cause code (information for vendor analysis) | | | |
| | [Action] | | | |
| | Re-execute the ppupdate command (or, if the restore command was executed, re-execute the restore operation command). If the error still occurs, replace the Switch. | | | |


After change:

**Table 2-64 Switch ERROR information when the event location is ROM**

| No. | Event level | Event location | Ref. Code | Message text |
|-----|-------------|----------------|-----------|--------------|
| | **Description** | | | |
| 7 | ERROR | ROM | 29300064 | **FROM write fail [cnt=*xxxxxxxx*,size=*xxxxxxxx*,err=*xxxxxxxx*]** |
| | Writing to flash memory failed when executing the ppupdate or restore operation command. | | | |
| | cnt=*xxxxxxxx*: Cause code (information for vendor analysis) | | | |
| | size=*xxxxxxxx*: Cause code (information for vendor analysis) | | | |
| | err=*xxxxxxxx*: Cause code (information for vendor analysis) | | | |
| | [Action] | | | |
| | Re-execute the ppupdate command (or, if the restore command was executed, re-execute the restore operation command). If the error still occurs, replace the Switch. | | | |

## 2.6.2 Event location = RTC [Change]

*Table 2-66 Switch ERROR information when the event location is RTC* has been changed as follows:

Before change:

**Table 2-66 Switch ERROR information when the event location is RTC**

| No. | Event level | Event location | Ref. Code | Message text |
|-----|-------------|----------------|-----------|--------------|
| | Description | | | |
| 1 | ERROR | RTC | 22300201 | **Initialize Failure** |
| | An attempt to initialize the RTC failed. | | | |
| | [Action] | | | |
| | Use the `reload` operation command to restart the Switch. | | | |

After change:

**Table 2-66 Switch ERROR information when the event location is RTC**

| No. | Event level | Event location | Ref. Code | Message text |
|-----|-------------|----------------|-----------|--------------|
| | Description | | | |
| 1 | ERROR | RTC | 223000C9 | **Initialize Failure** |
| | An attempt to initialize the RTC failed. | | | |
| | [Action] | | | |
| | Use the `reload` operation command to restart the Switch. | | | |

## 2.6.3 Event location = THERMO [Change]

*Table 2-69 Switch ERROR information when the event location is THERMO* has been changed as follows:

Before change:

**Table 2-69 Switch ERROR information when the event location is THERMO**

| No. | Event level | Event location | Ref. Code | Message text |
|-----|-------------|----------------|-----------|--------------|
| | Description | | | |
| 1 | ERROR | THERMO | 23300301 | **Temperature exceeds the threshold** |
| | The external temperature exceeds the threshold. | | | |
| | [Action] | | | |
| | Check and, if necessary, improve the environment, such as the room temperature around the Switches. | | | |
| 2 | ERROR | THERMO | 23300303 | **Temperature sensor re-try failure** |
| | The temperature sensor's attempt to retry failed. | | | |
| | [Action] | | | |
| | Use the `reload` operation command to restart the Switch. | | | |
| 3 | ERROR | THERMO | 23300305 | **Set Configuration Failure** |
| | Verification failed when setting the configuration to the temperature sensor register at Switch startup. | | | |
| | [Action] | | | |
| | Use the `reload` operation command to restart the Switch. | | | |

After change:

**Table 2-69 Switch ERROR information when the event location is THERMO**

| No. | Event level | Event location | Ref. Code | Message text |
|---|---|---|---|---|
|  | **Description** | | | |
| 1 | ERROR | THERMO | 2330012D | **Temperature exceeds the threshold** |
|  | The external temperature exceeds the threshold. | | | |
|  | [Action] | | | |
|  | Check and, if necessary, improve the environment, such as the room temperature around the Switches. | | | |
| 2 | ERROR | THERMO | 2330012F | **Temperature sensor re-try failure** |
|  | The temperature sensor's attempt to retry failed. | | | |
|  | [Action] | | | |
|  | Use the `reload` operation command to restart the Switch. | | | |
| 3 | ERROR | THERMO | 23300131 | **Set Configuration Failure** |
|  | Verification failed when setting the configuration to the temperature sensor register at Switch startup. | | | |
|  | [Action] | | | |
|  | Use the `reload` operation command to restart the Switch. | | | |

## 2.6.4   Event location = SDCARD   [Change]

*Table 2-70 Switch INFO information when the event location is SDCARD* and *Table 2-72 Switch ERROR information when the event location is SDCARD* have been changed as follows:

Before change:

**Table 2-70 Switch INFO information when the event location is SDCARD**

| No. | Event level | Event location | Ref. Code | Message text |
|---|---|---|---|---|
|  | **Description** | | | |
| 1 | INFO | SDCARD |  | **Can't update software.[Hardware rev.*xx*]** |
|  | The update cannot be performed using this software. The hardware revision number of the Switch is *xx*. [Action] Check the hardware revision number of the target Switch by using the `show version` operation command. | | | |

After change:

**Table 2-70 Switch INFO information when the event location is SDCARD**

| No. | Event level | Event location | Ref. Code | Message text |
|---|---|---|---|---|
|  | **Description** | | | |
| 1 | INFO | SDCARD |  | **Can't update software.[Hardware rev.*xx*]** |
|  | The specified update file cannot be used for the update. [Action] If this log is collected, some restrictions apply to the update operation. For details, see *3. Procedures for Updating Earlier Versions* in the *Software Update Guide*. | | | |

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Before change:

**Table 2-72 Switch ERROR information when the event location is SDCARD**

| No. | Event level | Event location | Ref. Code | Message text |
|---|---|---|---|---|
| | **Description** | | | |
| 1 | ERROR | SDCARD | 26300201 | **Create Device Fail** |
| | The generation of a memory card access device failed when initializing during Switch startup. [Action] Use the `reload` operation command to restart the Switch. | | | |
| 2 | ERROR | SDCARD | 26300202 | **Could Not Create Semaphore** |
| | The generation of a semaphore failed when initializing during Switch startup. [Action] Use the `reload` operation command to restart the Switch. | | | |
| 3 | ERROR | SDCARD | 26300203 | **Could Not Create Message Que** |
| | The generation of a message queue failed when initializing during Switch startup. [Action] Use the `reload` operation command to restart the Switch. | | | |
| 4 | ERROR | SDCARD | 26300204 | **Could not Create Task** |
| | The generation of a task failed when initializing during Switch startup. [Action] Use the `reload` operation command to restart the Switch. | | | |

After change:

**Table 2-72 Switch ERROR information when the event location is SDCARD**

| No. | Event level | Event location | Ref. Code | Message text |
|---|---|---|---|---|
| | **Description** | | | |
| 1 | ERROR | SDCARD | 263000C9 | **Create Device Fail** |
| | The generation of a memory card access device failed when initializing during Switch startup. [Action] Use the `reload` operation command to restart the Switch. | | | |
| 2 | ERROR | SDCARD | 263000CA | **Could Not Create Semaphore** |
| | The generation of a semaphore failed when initializing during Switch startup. [Action] Use the `reload` operation command to restart the Switch. | | | |
| 3 | ERROR | SDCARD | 263000CB | **Could Not Create Message Que** |
| | The generation of a message queue failed when initializing during Switch startup. [Action] Use the `reload` operation command to restart the Switch. | | | |
| 4 | ERROR | SDCARD | 263000CC | **Could not Create Task** |
| | The generation of a task failed when initializing during Switch startup. [Action] Use the `reload` operation command to restart the Switch. | | | |

# 6. Changes in MIB Reference (For Version 2.4) (AX1240S-S006X-60)

## 2   Standard MIB

### 2.15   IEEE 8023-LAG-MIB group

### 2.15.2   dot3adAggPort group   [Change]

Some of the implementation specifications for the dot3adAggPort group have been changed as follows:


Before change:

**Table 2-36    dot3adAggPort group implementation specifications**

| No. | Object identifier | Access | Implementation specifications | Implemented Y/N |
|---|---|---|---|---|
| 14 | dot3adAggPortSelectedAggID {dot3adAggPortEntry 12} | R/O | [Standard] The identification value of the Aggregator for the AggregationPort. [Implementation] Same as the standard. | Y |
| 15 | dot3adAggPortAttachedAggID {dot3adAggPortEntry 13} | R/O | [Standard] The identification value of the Aggregator on which the AggregationPort is installed. [Implementation] Same as the standard. | Y |
| 18 | dot3adAggPortPartnerAdminPort {dot3adAggPortEntry 16} | R/NW | [Standard] The identification value of the Aggregator on which the AggregationPort is installed. [Implementation] Same as the standard. | Y |


After change:

**Table 2-36    dot3adAggPort group implementation specifications**

| No. | Object identifier | Access | Implementation specifications | Implemented Y/N |
|---|---|---|---|---|
| 14 | dot3adAggPortSelectedAggID {dot3adAggPortEntry 12} | R/O | [Standard] The ifIndex of the Aggregator for the AggregationPort. [Implementation] Same as the standard. | Y |
| 15 | dot3adAggPortAttachedAggID {dot3adAggPortEntry 13} | R/O | [Standard] The ifIndex of the Aggregator on which the AggregationPort is installed. [Implementation] Same as the standard. | Y |
| 18 | dot3adAggPortPartnerAdminPort {dot3adAggPortEntry 16} | R/NW | [Standard] An administrative port number for the protocol partner. [Implementation] Same as the standard. | Y |