

Jetstream® CPX-1000 Release Notes

Release 2.3.3.1

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Introduction

Release 2.3.3.1 is a maintenance release for the CPX-1000.

This release note identifies and describes the resolved issues.

New Components in Release 2.3.3.1

Component
Release 2.3.3.1 Software
2.3.3.1 Software Upgrade Kit

Upgrading from Previous Releases

Upgrading CPX-1000 shelves from release 2.3.3 to 2.3.3.1 requires:

- 2.3.3.1 software upgrade kit
- Upgrade can be completed while the CPX-1000 is up and running (this is not a service-affecting upgrade)

Release 2.3.3.1 Considerations

System Configuration

Installation of any base module (front card) that is paired with a transition module (rear card) requires the following steps:

- When *removing* modules, remove the base module first, followed by the transition module.
- When *installing* modules, install the transition module first, followed by the base module.

The default setting for 1+1 ATM protection switching is set to OFF. Contact the Paradyne Technical Support Center (TSC) to enable this feature.

The MP module must always be installed in slot 6.

To make the CDV and line length (LBO) settings persistent (permanent), contact TSC.

Hot Swap/Growth

Perform hot swaps and hot growth one card at a time, ensuring that the added/swapped card initiates properly before adding or hot swapping additional cards.

Hot Swap is only supported with a like card. Removal of a card requires replacement with the same card type.

If the tabs on a base module (front card) are accidentally unlatched, you must remove and re-insert the module to return it to the active state.

If the tabs on a transition module (rear card) are accidentally unlatched, re-engage the latches without removing the module.

When performing an unplanned hot swap of any MP card, after releasing the latches, wait 90 seconds to remove the card.

When performing an unplanned hot swap of any other card, after releasing the latches, wait 10 seconds to remove the card.

We recommend executing hot swap and hot growth actions within a maintenance window.

STS-1 Card Behaviors

Removal of the Tx cable on the active STS-1 module will cause a switchover to the Standby STS-1 module. Active calls are dropped and a delay of 20 to 90 seconds may be experienced before new calls can be established on the Standby module.

CP Card Behavior

Currently there is no visual indication on the CPX to show when the Standby CP is in hot standby mode. Status is shown via the JetVision or JetCraft management system.

Statistics are only valid on the active CP card.

The reset button on both CP cards should be pressed simultaneously for the entire CPX system to reset. Depression of a single reset button is not supported.

Customers may mount an optional cover plate (orderable with each CP) to prevent access to the reset and abort buttons (JS 600103).

Miscellaneous

In the unlikely event of a system failure, if the CPX is restored with an old database (DB backed up prior to new IAD provisioning), it will not provision new IADs until the DB is updated (synchronized) with the most recent IAD information (IADs which were added or deleted since last backup).

Some customers may use an external, third-party, STS-1 Multiplexer (MUX) in conjunction with their CPX-1000 (configured with STS-1). The default parameter settings for these multiplexers may have to be modified in order to provide optimal interface with the CPX.

Removing an EC or ECAC card does not generate a "card removed or missing" alarm.

The CPX does not support alarm notification of transition cards.

Serial number information is not available on all components through the software.

The amount of time required for system initialization is dependant upon the number of subscribers on the system.

If Database is configured, the CPX system requires installation of at least one line card to properly boot up.

The CPX-1000 does not support multiple, concurrent asynchronous clock sources.

Known Issues in Release 2.3.3.1

Description	Workaround
Non-zero VPI values are not supported on the DS3 module.	None.
Alarms on individual DS1s cannot be retrieved with the RTRV-ALM-T1 command.	Retrieve alarms with all other IG alarms using the command RTRV-ALM-IG.
When hot swapping a standby STS card: if you immediately afterwards force a switchover, any calls established during the hot swap will be dropped.	Delay forcing a switchover immediately after hot swap of a standby STS card.

Issues Resolved in Release 2.3.3.1

Defect Description	Status
When provisioning an IAD port for Ground Start, it was necessary to power reset the IAD in order to get Ground Start to work correctly.	Resolved.
Customer asked that IAD down alarms be suppressed from their view.	Resolved.
CME Server Stops due to database Memory leak.	Resolved.
IAD down does not send OOS message to switch.	Resolved.
CRVs remain tied if IAD loses WAN during call setup.	Resolved.
BrookTrout loopback implementation needs to reflect the correct loopback mode for internal and external loopbacks.	Resolved.
Signaling Link does not come up on a non-provisioned system.	Resolved.
We should be able to use the DS1 clock source even if there is a yellow alarm on the DS1.	Resolved.
MP lost communication to CP is not cleared in some cases.	Resolved.
IAD and IAD port opstate goes out of sync with the Core in some cases.	Resolved.
Alarm shows "CPX is down" when both CP cables are pulled. Need to reword.	Resolved.
STS Defects	
STS: DS1 alarm mismatch between JC/JV and Core.	Resolved.
Runtime error exception when trying to configure an STS port that has been put into loopback mode.	Resolved.
STS PG can't initialize if Tx cable is out during bootup.	Resolved.
STS: All DS1s show same Path Coding Violations value at bootup.	Resolved.
STS Tx cable pull causes long delay in GR re-establishment.	Resolved.
When performing an unplanned Hot Swap of both ports in an STS-1 PG, clocking was not moving away from the associated DS1 clock source.	Resolved.
Initial STS Clocking Before Switch is Up.	Resolved.
CME continuously reports "invalid DS1 assignment even though all calls are completing okay and no other problems are apparent	Resolved.

Warranty, Sales, Service, and Training Information

Contact your local sales representative, service representative, or distributor directly for any help needed. For additional information concerning warranty, sales, service, repair, installation, documentation, training, distributor locations, or Paradyne worldwide office locations, use one of the following methods:

- **Internet:** Visit the Paradyne World Wide Web site at **www.paradyne.com**. (Be sure to register your warranty at **www.paradyne.com/warranty**.)
- **Telephone:** Call our automated system to receive current information by fax or to speak with a company representative.
 - Within the U.S.A., call 1-800-870-2221
 - Outside the U.S.A., call 1-727-530-2340