

# **TANDBERG MPS J2 Release Document**

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TANDBERG

D50337, Rev 1.4

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## 1. Document Revision History

Rev 1.4	- Included Release of J2.4 Minor Release
Rev 1.3	- Included Release of J2.3 Minor Release
Rev 1.2	- Included Release of J2.2 Minor Release
Rev 1.1	- Included Release of J2.1 Minor Release
Rev 1.0	- Included Release of J2.0, Initial Version

## **2. Release Notes for the TANDBERG MPS Software Version J2.4**

### **2.1 Introduction**

This release note is to describe the new features and capabilities included in the TANDBERG MPS software version J2.3 released on 3/27/2006.

### **2.2 New Feature Overview**

J2.4 is a maintenance release only and does not include any new features or functionality when compared to J2.3.

### **2.3 Changes and Improvements since previous version**

#### **2.3.1 Web**

Improved web server stability to eliminate possible unresponsiveness. Situation may arise when TMS is managing several simultaneous conferences while sending many conference status requests.

#### **2.3.2 Cascading**

Resolved issue where an H.243 message overflow could occur during cascaded conference

## **3. Release Notes for the TANDBERG MPS Software Version J2.3**

### **3.1 Introduction**

This release note is to describe the new features and capabilities included in the TANDBERG MPS software version J2.3 released on 10/25/2005.

### **3.2 New Feature Overview**

J2.3 is a maintenance release only and does not include any new features or functionality when compared to J2.2.

### **3.3 Changes and Improvements since previous version**

#### **3.3.1 Conference**

Changed Legacy Mode check box to be Legacy Level drop down menu within the Conference Configuration page. Possible values are 0-15. Currently only the values of 0, 8 and 15 are used. Please see the below table for Legacy Level functions in each mode.

Level 0 – Default level, all capabilities present

Level 8 – H.264 disabled, all other capabilities present

Level 15 – H.261, G.711 and G.722 only, all other capabilities are disabled

#### **3.3.2 Web**

Improved web server stability to eliminate rare cases of slow web server response

#### **3.3.3 Video**

Improved video robustness where corrupted video data could cause unexpected restarts

#### **3.3.4 Phone Book**

Resolved issue where a restart could occur when dialing a Group Entry that contained more than 30 sites

#### **3.3.5 Inter-Op**

Resolved H.239 inter-op issue with Polycom VSX series version 8 software in H.323

## 4. Release Notes for the TANDBERG MPS Software Version J2.2

### 4.1 Introduction

This release note is to describe the new features and capabilities included in the TANDBERG MPS software version J2.2 released on 7/18/2005.

### 4.2 New Product Overview

#### 4.2.1 TANDBERG MPS 800

The TANDBERG MPS has now been renamed to the MPS 800.

#### 4.2.2 TANDBERG MPS 200

The TANDBERG MPS 200 is a new addition to the MPS portfolio. This smaller chassis MPS supports up to 2 media blades and 2 network interface blades for a maximum of 32 video sites and 32 telephone sites. The network interface blades can be either ISDN or V.35/RS449 or a mix of the two. The MPS 200 uses the same blades available for the MPS, now renamed MPS 800.



### 4.3 New Feature Overview

J2.2 is a maintenance release only and does not include any new features or functionality when compared to J2.1.

### 4.4 Changes and Improvements since previous version

#### 4.4.1 ISDN

Fixed possible stability issue when a large number of AES encrypted ISDN sites were connected to a conference.

## **5. Release Notes for the TANDBERG MPS Software Version J2.1**

### **5.1 Introduction**

This release note is to describe the new features and capabilities included in the TANDBERG MPS software version J2.1 released on 6/8/2005.

### **5.2 New Feature Overview**

J2.1 is a maintenance release only and does not include any new features or functionality when compared to J2.0.

### **5.3 Changes and Improvements since previous version**

#### **5.3.1 Web Interface**

- Fixed issue where V.35 phonebook entries could not be added to a conference
- Fixed issue where the Ethernet duplex and speed setting on the controller card could not be changed from auto
- Added the ability to upgrade V.35 firmware from the web interface

#### **5.3.2 ISDN**

- Fixed issue where inbound H.221 calls may fail to connect both channels
- Changes to Japan switch type for certification compliance

#### **5.3.3 H.323**

- Added support for large H.264 packets
- Fixed possible “Clearout” hang if an H.323 endpoint reboots during a conference

#### **5.3.4 Video**

- Default conference resolution is now CIF when video format is set to ‘auto’.
- Reduced video switching delay in voice switched conferences
- Fixed issue where CP auto switching did not work correctly

#### **5.3.5 Miscellaneous**

- Fixed issue where an MPS to TANDBERG MCU cascaded conference may unexpectedly disconnect

## 6. Release Notes for the TANDBERG MPS Software Version J2.0

### 6.1 Introduction

This release note is to describe the new features and capabilities included in the TANDBERG MPS software version J2.0 released on 2/1/2005.

### 6.2 New Feature Overview

#### 6.2.1 Network Interface Cards

##### 6.2.1.1 ISDN Network Interface Card

Now available are ISDN Interface Cards for use with the TANDBERG MPS J2.0 software. This new interface card supports up to 8 E1/T1 PRI per card. Up to 4 network interface cards can be installed in a single MPS giving a total of up to 32 E1/T1 PRI.

##### 6.2.1.2 V.35 Serial Interface Card

Now available are V.35 Serial Interface Cards for use with the TANDBERG MPS J2.0 software. This new interface card supports up to 32 serial connections per card using V.35/RS449/RS530/X.21 with RS366 dialling. Up to 4 network interface cards can be installed in a single MPS giving a total of up to 128 serial connections.

#### 6.2.2 Capacity

##### 6.2.2.1 Increased Site Capacity

The TANDBERG MPS now supports up to 8 Media Blades. Possible configurations now include any number of Media Boards from 1 to 8 in a single chassis. Each Media Blade supports 16 video+16 telephone sites up to a maximum of 128 video + 48 telephone sites.

### 6.3 Supplemental Notes to Manuals

#### 6.3.1 References/Related Documents

TANDBERG Website – <http://www.tandberg.net>

For all documentation, please see the TANDBERG Support Website at <http://www.tandberg.net/support/documentation.php>

See the following documents for more information on the TANDBERG MPS:

- D1337302 TANDBERG MPS User's Manual
- D1333701 TANDBERG MPS Installation Sheet
- D1363902 TANDBERG MPS API
- D1368601 TANDBERG MPS ISDN Interface Kit Installation Sheet
- D1368701 TANDBERG MPS Media Port Kit Installation Sheet
- D1397401 TANDBERG MPS V35 Ports Kit Installation Sheet

### 6.3.2 Layer 4 Ports used by the system

Function	Port	Type	Direction
Gatekeeper RAS	1719	UDP	↔
Gatekeeper Discovery	224.0.1.41:1718	UDP	↔
Q.931 Call Setup	1720	TCP*	↔
H.245 / Q.931	Range 5555 – 6555	TCP	↔
Video	Range 2326 – 2837	UDP	↔
Audio	Range 2326 – 2837	UDP	↔
Data / FECC	Range 2326 – 2837	UDP	↔
SSH	22	TCP*	↔
Telnet	23	TCP*	↔
Telnet Challenge	57	TCP	↔
HTTP	80	TCP*	↔
HTTPS	443	TCP	↔
SNMP (Queries)	161	UDP	↔
SNMP (Traps)	962	TCP	=> (outgoing from MCU)

(\*) Listening sockets

#### Outgoing H.323 call:

First call uses 5555 for outgoing Q.931 and 5556 for H.245, next uses 5557 for Q.931 and 5558 for H.245, etc.

#### Incoming H.323 call:

First call uses 5555 for H.245, second 5556 etc. Disconnecting a site in a meeting will not free up available 55XX ports until the whole conference is down.

### 6.4 Changes and Improvements since previous version

- Added support for QCIF in CP modes
- Improved stability
- Resolved issue where IP packets were not being tagged with selected Diffserv values
- Resolve issue where audio issues could arise after prolonged use

### 6.5 Interoperability

The following systems have been tested and verified compatible with this software release

#### 6.5.1 MCU Interoperability

Equipment	Software Revision
Accord MGC 100	6.02.4
Ezenia! MCS 2000	6.3.0.1
TANDBERG MCU	D3.3, D3.4
RADVision MCU-30	3.5.24
RADVision OnLan MCU	2.2.1.0
Cisco IPVC 3540	3.2.224

#### 6.5.2 Gateway Interoperability

Equipment	Software Revision
TANDBERG Gateway	G2.1
RADVision GW-P20	3.0.0.12
RADVision L2W GW	2.2.3.2.5

### 6.5.3 Gatekeeper Interoperability

Equipment	Software Revision
CISCO MCM	12.3(10)
TANDBERG Gatekeeper	N1.0, N2.0
TANDBERG Border Controller	Q1.0
RADVision ECS 100/400	3.5.2.5
Ezenia Encounter 3000	2.0.0.1

### 6.5.4 Firewall Interoperability

Equipment	Software Revision
CISCO PIX	6.3 (2)

### 6.5.5 Endpoint Interoperability

Equipment	Software Revision
TANDBERG 500-6000/8000	B1.1, B2.3, B3.4, B4.3, B5.1, B5.11, B6.1, B7.0, B8.4, B9.1, E1.1, E2.0, E3.4, E4.1
TANDBERG MXP	F1.5, F2.1
Polycom iPower 9000	6.2.0.1208
Polycom iPower 970	6.0.0.315
Polycom iPower 680	6.2.0.1208
Polycom ViewStation FX	6.0.3
Polycom VS	6.0.3
Polycom MP 512	7.5.2
Polycom SP 384	7.5.2
Polycom Via Video	5.1.1.1009
Polycom VSX7000	7.5, 7.5.1
Polycom ViewStation EX	6.0.3
Sony 1600	3.33
Sony 6000	5.02
Sony PCS-1	3.03
VTEL Galaxy	2.2.0.070
Aethra Vegastar Silver	5.1.35

## 6.6 Known Limitations

- It is not possible to configure the Ethernet speed of the System Controller card via the Web interface. It is possible to configure the speed through the CLI (command line interface) either through Telnet or SSH. This will be resolved in a future release.
- It is not possible to receive H.221 2x64k calls when the conference is configured for H.221 2x64k. It is possible to receive these calls when the conference is configured for 128k or higher. It is also possible to dial out H.221 2x64k. This will be resolved in a future release.
- It is only possible to have 1 switch type configured per ISDN network interface card.
- ISDN PRI's will not resync if D channel is lost. To resync circuits you must click on "Save" on the PRI configuration page via the Web interface. This will be resolved in a future release.