Telos TWOx12 Release Notes

Many users inquire what features are new in the latest firmware release. The following Release Notes show the Improvements and features added with each significant release.

Version 1.02j

- Commonly used early version.

Version 1.04j

- (POTS only) Loop current drop timing threshold changes to 20 msec. This reduces dropped calls due line hits. Also improves compatibility with lines in Spain where far-end answer supervision is provided.
- Improved the reliability of recall of hybrid settings. Previous versions sometimes loaded default settings after a power cycle (although users settings were displayed on menus).
- ISDN changes.

Version 1.06d
Released 22 October 2001

Version 1.06e
Released 14 March 2002

- Modified the hybrid ducking logic, correcting AGC operation, duplex operation, and hybrid null adaptation in many circumstances.

Version 2.0
Released 21 June 2002

- Increased number of AP connections to eight.
- Fixed a small problem related to the use of the Desktop Director front panel keys.
- Changed the Desktop Director communications to avoid potential screen corruption.
- Fixed 'Trusted' menu item width to no longer go blank on 'trusted+serial'.
- Allows the use of up to 8 Desktop Directors using optional second dual-S interface card.
- Modified the record function to include 'Auto' mode recording. This makes the TWOx12 operation more similar to the DIM and ONE-x-Six. The 'Record' button on the Desktop Director will 'arm' the record function. Start pulse sent when the first line is placed on any hybrid and a stop pulse is sent when the last line is taken off the hybrids.
- Improved front diagnostics available to monitor the connections to the Desktop Directors.
- Lines locked on Hybrid 1 are no switched over when you pick up the handset or speakerphone.
- Added 'hookflash' support. Hitting the 'Transfer' button on the DD will generate a 300ms 'hookflash' signal.
- Changed factory Hybrid defaults to more useful values. Duplex 14, AGC 11, Studio Adapt OFF.
- Increased the number of callers that may be button mashed together.
- Changed the 'trusted domain' default to 'telos-systems.com' instead of 'zephyr.com'.
- Improved memory allocation to improve stability.
- Improved ISDN channel allocation: Dialing out of channel 2 does not block use of channel 1.
- Line current check can be disabled in Telco menu to allow the use of ground start lines for incoming calls only.
- Fixed initialization of Desktop Directors, so that they do not transition to 'speakerphone' mode on power on or 2x12 reboot.

Version 2.01
Released 1 July 2002

- The audio menu 'Feed Thru 1' and 'Feed Thru 2' options removed.
- Turned initialization logging on.

Version 2.02
Released 29 July 2002

- Corrected a dialing problem with ETS 300 ISDN.

Version 2.03
Released 7 October 2002

- Improved solution for the ETS 300 dialing problem first addressed in 2.02.
- Replacement of the 'null' string by "Unknown" in case of an ISDN call w/o caller ID.

Version 2.08
5 December 2002

- Corrected BUSY ALL command instability.
- Fix incorrect operation of 'Mix' LED on the front panel after rebooting.
- DSP improvements on both Hybrids.
- New 'HoldOnNext' feature places unlocked lines on the hybrid on hold rather than drop them when 'Next" button is pressed.
- HDNT log mode added for Desktop Director.
- 'Mix Mono' mode fixed.
- Tweak to ETS300 for dialing problem reported by certain users in Europe.
- ISDN log improvements.

Version 3.20
Released 3 March 2003

- 'Split mode' added, permitting the TWOx12's hybrids to be treated as separate 'studios'.
- DD LCD menus changed to be cleaner and options added for 'Show selection' and 'Show configuration' for 'Split mode'. Diagnostic, About, and Version screens on DD's
- New AP server makes the TWOx12 compatible with applications written for the 2101. If 'Split mode' is to be used customers must upgrade to "Assistant Producer 3.5 for 2101 & 2x12". Old AP server present.
- Added four ringer tones for DDs.
- Desktop Director and Console Directors can no change shows by dialing a 'magic' key sequence. Dialing "*SHOW2" (*74692) will switch them to show 2 and "*SHOW1" will switch to show 1.
- Added the ability for DDs to switch Talent and Producer modes via the following magic keys: *TALENT or #TALENT switch to talent mode, *PRODUCER or #PRODUCER switch to producer mode.
- Fixed a problem with the parallel manager where the initial transition was not being reported properly (when, for example, someone hard wired the ringer mute input).
- Fixed HDLC message pool problem that could cause instability if a DD were unplugged.
- DD diagnostic errors can now be monitored via Telnet. Shows DD version number (available since DD v2.0).
- Fix DD::Detach() problem that could occur when AP connections were terminated.
- Changed default Telco settings to Natl I-1 vs AT&T custom.
- "ALL ERROR" log set to log 0. All log number shifted.
- Fixed far end drop during busy all causing a line to show as idle.
- Adding 'NTlog' command to assist troubleshooting DD problems.
- Send a DD_DETACH message to any AP session attached to a DD that froze or got unplugged.
- Added ability to dial out from AP attached to a PRODUCER DD using POTS line (available only with DD v2.01).
- 'bootstat' function implemented.
- AGC enhancement: time constant decreased 10 to 16 times for a much faster operation.
- Hookflash duration feature added on 2x12 front panel, TELCO menu.
- Calling Party Control (loop current interrupt upon far end drop) threshold implemented. Rear panel command CPC. Default is is 80 msec.
- RECORD button fixed for AP and for Dual Show mode.

Version 3.26
Released September 2003

- 'Block all' fix for Priority lines.
- RINGER fix when switching DD between PRODUCER mode and TALENT mode.
- ISDN 'busy' cause 17 sent to callers when 'block all' is engaged.
- Problem where DD ringer volume was not stored through a reboot for DDs in TALENT mode fixed.
- Added ISDN checking for ls_inring (state 12 is also supported for incoming calls).
- 100 msec delay added to fix crash problem when dialing out from ScreenWinner s/w
- ISDN Port 8 enabled for clock sync.

Version 3.28
Released April 2005

- Improvements to 'Block all' due to the fact 5ESS lines would "ring no answer" when 'Block all' was engaged. Now the ISDN stack sends new calls to lines in the 'Block all' state "Call Rejected" with cause code 17 (busy) without first sending an Alerting message.
- Fixed audio routing problem where DTMF might not be sent after using the transfer button.

Version 3.30
Released February 2007

- Increased number of ISDN message buffers to better handle heavy, sustained call volume.

Version 3.34
Released May 2009

- ISDN changes for increased stability worldwide