

SynCTI Upgrade Instruction

SynCTI Ver. 5.3.1.1

Release Date: October, 2011

New Features & Fixed Bugs

(This version supports 32-bit or 64-bit Windows OS, and 64-bit Linux OS)

Series	Feature	Supported Board Model	New Feature & Fixed Bug
SHD	Digital Media Processing & Signaling	SHD-480A-CT/cPCI	Correct the format of the ISUP CQR message.
		SHD-30C-CT/PCI	Update the BIN file for user side to filter the UI message upon call connection.
		SHD-120E-CT/PCIe/EC	Allow the application level to set the caller and callee subaddress messages.
		SHD-240D-CT/PCI	Add new configuration items for ISDN user and net sides to set auto or manual link building.
		D-type and E-type	Fix the bug that F2 tones are not accurately detected.
ATP	Analog Tap Passive Boards	ATP-24A/PCI	Solve the problem that noises appear during the monitoring on MP3 recording.
		All ATP series boards	Support of MF detection
DST	Digital Station Tap Boards	SHR-16DA-CT/PCI	Improve the condition for judging the normal interruption upon the start of the driver.
		DST-24B/PCI	Support of the HARISS PBX
		All DST series boards	Support of the new PBX SAMSUNG_IDCS_10
			Fix the bug that noises may sometimes appear.
Newly Added Configuration Item	Add a new configuration item AutoRecAgcSwitch under the section [BoardId=x] to set whether to automatically enable the AGC feature when the channel is being recorded.		
	Add a new configuration item MFDualAndAllFreqEnScale under the section [BoardId=x] to set the threshold value in percentage for the rate of MF in-band energy to overall energy.		
	Add a new configuration item MFFreqOffset under the section [BoardId=x] to set the maximum offset error of the MF signal.		
	Add a new configuration item DTMFFreqOffset under the section [BoardId=x] to set the maximum offset error of the DTMF signal.		
	Add a new configuration item Mp3EncodingBitRate under the section [SystemConfig] to set the bit rate for MP3 recording.		
	Add a new configuration item IsdnAutoBuildLink under the section [BoardId=x] to set whether to enable the feature of automatic link building for the ISDN signaling.		
Newly Added Function	Add a new function SsmClearRxMFBuf to clear up the MF-reception buffer area in the driver.		
	Add a new function SsmGetMFStr to obtain the MF characters saved in the MF-reception buffer area. The characters are in ASCII.		
	Add a new function SsmISDNSetDialSubAddrEx to set the subaddress of the called party in the SETUP message, during an outgoing call.		
	Add a new function SsmISDNSetTxSubAddrEx to set the subaddress of the calling party in the SETUP message, during an outgoing call.		

	Add two new functions fPcm_MemG729AToPcm8 and fPcm_MemG729AToPcm16 to convert the G.729A data saved in the buffer area to the PCM8 or PCM16 format.
	Add a new function SsmSetWaitAutoDialAnswerTimeEx to set the maximum wait time for pickup by the callee.
Enable the driver to support MP3 recording via a single buffer and the MP3 engine to run in the multi-workflow mode, so as to improve the quality of the sound for simultaneous MP3 recording on multiple channels.	
Enable DST, ATP, DTP series boards to support the feature of DTMF clamping.	