

# History and release notes for the Rohde&Schwarz CMU 200 Universal Radio Communication Tester

## Contents

Contents.....	1
Rscmu200 driver for CMU 200 Base.....	2
Rscmuk2g driver for CMU GSM (K20, K21, K22, K23).....	6
Rscmuk2t driver for CMU TDMA (K27, K28).....	9
Rscmuk2a driver for CMU AMPS (K29).....	11
Rscmu2bt driver for CMU BLUETOOTH (K53).....	13
Rscmuk6w driver for CMU WCDMA FDD UE (K65, K66).....	15
Rscmuk8c driver for CMU CDMA (K81, K82).....	16
Rscmuc2k driver for CMU CDMA2000 (K83, K84, K85, K86).....	17

<b>Rscmu200 driver for CMU 200 Base</b>		
Revision	Date	Note
3.10.06	02/2003	Modifications: Fixed fp file, bad return data types in some functions
3.10.05	02/2003	Modifications: : RSCMU_initRFNSig for VEE changed constant definitions in headerfile for VEE
3.10.04	01/2003	Modifications: : Delay STB query set to 0.0 RSCMU_Query_Array
3.10.03	01/2003	Modifications: : Add some Helptext in fp-file Add FW 3.11, 3.20 RSCMU_SetCmuVersion
3.10.02	12/2002	Modifications: Fixed the RSCMU_Query function: remove response on status checking from the buffer
3.10.01	12/2002	- new functions: RSCMU_RF_NSig_ReadArrPower RSCMU_RF_NSig_FetcArrPower RSCMU_RF_NSig_SampArrPower, RSCMU_RF_NSig_ReadArrSpectrum RSCMU_RF_NSig_FetcArrSpectrum  Modifications: RSCMU_RF_NSig_ReadArrPow RSCMU_RF_NSig_FetcArrPow RSCMU_RF_NSig_SampArrPow RSCMU_RF_NSig_ReadArrSpec RSCMU_RF_NSig_FetcArrSpec RSCMU_RF_NSig_SampArrSpec Rename in h-File: RSCMU_RF_NSig_AbortWpow -> ..._AborWpow Rename in fp-File: RSCMU_RF_NSig_ContWpowErep -> ...ConfWpowErep
3.10.00	11/2002	Release for CMU firmware version 3.10 - new functions: RSCMU_Base_SenseSyncFreqRefLock RSCMU_Base_SystRes RSCMU_SystResCurrent RSCMU_SystOptInfCurrent RSCMU_Base_SystNviDisable RSCMU_Base_RemTraceDisplay RSCMU_Base_RemTraceFile RSCMU_RF_NSig_DefRfgCon RSCMU_RF_NSig_DefRfanConf RSCMU_RF_NSig_InitWpow RSCMU_RF_NSig_AborWpow RSCMU_RF_Nsig_ContWpow RSCMU_RF_NSig_StopWpow RSCMU_RF_NSig_ConfWpowContRep RSCMU_RF_NSig_ConfWpowContRepStat RSCMU_RF_NSig_FetcWpowStat RSCMU_RF_NSig_ConfWpowErep RSCMU_RF_NSig_ReadWpow RSCMU_RF_NSig_FetcWpow RSCMU_RF_NSig_SampWpow RSCMU_RF_NSig_DefPowConf RSCMU_RF_NSig_DefNpowConf RSCMU_RF_NSig_MeasArrPow

## Rscmu200 driver for CMU 200 Base

Revision	Date	Note
		<p>RSCMU_RF_NSig_MeasSubArrPow  RSCMU_RF_NSig_MeasArrSpec  RSCMU_RF_NSig_MeasSubArrSpec  RSCMU_RF_NSig_ReadSubArrPow  RSCMU_RF_NSig_FetcSubArrPow  RSCMU_RF_NSig_SampSubArrPow  RSCMU_RF_NSig_DefSpecConf  RSCMU_RF_NSig_ReadSubArrSpec  RSCMU_RF_NSig_FetcSubArrSpec  RSCMU_RF_NSig_SampSubArrSpec  RSCMU_RF_NSig_Wpow  RSCMU_RF_DefaultSettings  RSCMU_RF_NSig_TrigThrRFPow  RSCMU_RF_NSig_TrigThrIFPow  RSCMU_RF_NSig_TrigSourExt  RSCMU_RF_NSig_ConflQIFRXTX  RSCMU_RF_NSig_ConflQIFRXPath  RSCMU_RF_NSig_ConflQIFTXPath  RSCMU_RF_NSig_ConfSubArrPow  RSCMU_RF_NSig_ConfSubArrSpec  RSCMU_RF_ConfSubarrays  RSCMU_SetCheckStatus_QueryDelay  RSCMU_SaveRecallCurrent  RSCMU_Base_SaveRecallAll  RSCMU_Base_SetDefaultStorageDevice  RSCMU_Base_GetFileInfo  RSCMU_Base_SetFileComment  RSCMU_Base_ChangeDirectory  RSCMU_Base_GetCurrDirectory  RSCMU_Base_ScanDirectory  RSCMU_Base_MakeDir  RSCMU_Base_RemoveDir  RSCMU_Base_DeleteFile  RSCMU_Base_CopyFile  RSCMU_Base_MoveFile  RSCMU_Base_RenameFile  RSCMU_Audio_NSig_SetAfg1SignMode  RSCMU_Audio_NSig_SetAfg2SignMode</p> <p>Modifications:  RSCMU_RF_NSig_ReadArrPow  RSCMU_RF_NSig_FetcArrPow  RSCMU_RF_NSig_SampArrPow  RSCMU_RF_NSig_ReadArrSpec  RSCMU_RF_NSig_FetcArrSpec  RSCMU_RF_NSig_SampArrSpec  RSCMU_SendControlCommand  RSCMU_ConfReporting  RSCMU_FetcStatus, RSCMU_ConfControlRep  RSCMU_ConfContRepStat  In RSCMU_WinBatchRead trace_write_buf changed to  dynamic size, in RSCMU_sysStatus format for sscanf  is changed (%ld to %hu for short)  RSCMU_sysStatus  Support for firmware version  2.10/2.11/2.15/2.43/2.50/2.60/2.62/2.66/3.00/3.01/3.05/3.07/3.08 as well</p>
3.08.5	10/2002	For VEE: Minor changes in the compiler directives
3.08.4	10/2002	Release for CMU firmware version 3.08

## Rscmu200 driver for CMU 200 Base

Revision	Date	Note
		<p>It is possible to use this driver also with Agilent Visa L01.00.01 or higher</p> <p>Modifications:</p> <ul style="list-style-type: none"> <li>- Code Cleanup</li> <li>- new status checking mechanism using the viReadSTB function if GPIB is used</li> <li>- fixed function RSCMU_Base_SystTim: bad command string</li> <li>- fixed functions: <ul style="list-style-type: none"> <li>RSCMU_Base_StatOperCmuSumCmu,</li> <li>RSCMU_Base_StatOperCmuSumCmuCond,</li> <li>RSCMU_Base_StatOperCmuSumCmuPtr,</li> <li>RSCMU_Base_StatOperCmuSumCmuNtr,</li> <li>RSCMU_Base_StatOperCmuSumCmuEnab: bad range checking of subregister</li> <li>RSCMU_Base_SystMqu: now correctly returns all items</li> <li>RSCMU_Base_SystCommkSerAppl</li> </ul> </li> <li>- changed API of functions RSCMU_RF_NSig_FetcArrSpec and RSCMU_RF_NSig_SampArrSpec: initFreq should be ViReal64 instead of ViInt32*</li> <li>- fixed label/value pairs of the parameters of function RSCMU_RF_NSig_SourRfgBand</li> <li>- new functions: <ul style="list-style-type: none"> <li>RSCMU_checkVersion</li> <li>RSCMU_atof,</li> <li>RSCMU_atofArray,</li> <li>RSCMU_setViInt32</li> <li>RSCMU_getViInt32</li> <li>RSCMU_setViReal64,</li> <li>RSCMU_setViReal64Unit</li> <li>RSCMU_getViReal64</li> <li>RSCMU_sendCmd,</li> <li>RSCMU_setViString</li> <li>RSCMU_getViString</li> <li>RSCMU_setEnum</li> <li>RSCMU_getEnum,</li> <li>RSCMU_checkIndexInList</li> <li>RSCMU_checkIndexInRealList</li> <li>RSCMU_getIndexFromString</li> <li>RSCMU_WinBatchWrite</li> <li>RSCMU_WinBatchRead,</li> <li>RSCMU_sysStatus</li> <li>RSCMU_setCheckStatus</li> <li>RSCMU_ReadDataUnknownLength,</li> <li>RSCMU_viWrite</li> <li>RSCMU_viRead</li> </ul> </li> </ul> <p>Support for firmware version 2.10/2.11/2.15/2.43/2.50/2.60/2.62/2.66/3.00/3.01/3.05/3.07 as well</p>
3.07.03	08/2002	<p>Release for CMU firmware version 3.07</p> <p>Additional features:</p> <ul style="list-style-type: none"> <li>- RSCMU_Base_SystGtrmComp</li> <li>- In the RF function group, a new power measurement using different narrow-band filters is available (subsystem NPOWER).</li> <li>- rscm200.h -&gt; creates FW 3.09 requires for CDMA2K</li> <li>- RSCMU_RF_NSig_ConfNpowContRepStat prototype missing rscm200.h</li> <li>- RSCMU_ConfContDef : Function prototype requires to be</li> </ul>

<b>Rscmu200 driver for CMU 200 Base</b>		
Revision	Date	Note
		<p>exported</p> <ul style="list-style-type: none"> <li>- RSCMU_RF_NSig_SensNpowBwid : correct arguments 2 and 3 in FP panel</li> </ul> <p>Support for firmware version 2.10/2.11/2.15/2.43/2.50/2.60/2.62/2.66/3.00/3.01/3.05 as well</p>
3.05RC10	03/2002	<p>Release for CMU firmware version 3.05</p> <p>Modifications:</p> <ul style="list-style-type: none"> <li>- RSCMU_Base_errorQuery</li> <li>Error Code control type in function panel changed to input</li> </ul> <p>Support for firmware version 2.10/2.11/2.15/2.43/2.50/2.60/2.62/2.66/3.00/3.01 as well</p>
3.05RC9	01/2002	<p>Release for CMU firmware version 3.05</p> <p>Modifications:</p> <ul style="list-style-type: none"> <li>- RSCMU_Init_Base</li> <li>- RSCMU_SESSION_Globals structure</li> <li>- all unreferenced variables removed</li> </ul> <p>Support for firmware version 2.10/2.11/2.15/2.43/2.50/2.60/2.62/2.66/3.00/3.01 as well</p>
3.05RC6	10/2001	<p>Release for CMU firmware version 3.05</p> <p>Added CDMA2000 and WCDMA</p> <p>Support for firmware version 2.10/2.11/2.15/2.43/2.50/2.60/3.00/3.01 as well</p>
3.05RC4	10/2001	<p>Release for CMU firmware version 3.05</p> <p>Added new function RSCMU_SystGtrmComp in Class Utility</p> <p>Support for firmware version 2.10/2.11/2.15/2.43/2.50/2.60/3.00/3.01 as well</p>
3.05RC3	10/2001	<p>Release for CMU firmware version 3.05</p> <p>Added:</p> <ul style="list-style-type: none"> <li>- State TLOW taken in account in local function for k2g</li> <li>RSCMU_GetSensMeasStatVal</li> </ul> <p>Support for firmware version 2.10/2.11/2.15/2.43/2.50/2.60/3.00/3.01 as well</p>
3.05RC2	09/2001	<p>Release for CMU firmware version 3.05</p> <p>RSCMU_CurrentVersion "S" detected in engineering version Numbers</p> <p>New constants for WCDMA 1900 FDD sessions</p> <p>Support for firmware version 2.10/2.11/2.15/2.43/2.50/2.60/3.00/3.01 as well</p>
3.01RC6	07/2001	<p>Release for CMU firmware version 3.01</p> <p>Support for firmware version 2.10/ 2.11/ 2.15/2.43/2.50/2.60/3.00 as well</p> <p>Added support for matching values</p> <p>Support for serial interface, use VISA 2.x to operate</p>
3.01RC5	07/2001	<p>Release for CMU firmware version 3.01</p> <p>Support for firmware version 2.10/ 2.11/ 2.15/2.43/2.50/2.60/3.00 as well</p> <p>Support for audio multitone for CMU firmware 3.x</p> <p>Support for GSM 850 for Firmware 3.x</p> <p>Support for serial interface, use VISA 2.x to operate</p>
3.00	05/2001	<p>Release for CMU firmware version 3.00</p> <p>Added support for audio multitone for CMU firmware 3.00</p> <p>Added support for GSM 850 for Firmware 3.00</p> <p>Support for firmware version 2.10/ 2.11/ 2.15/2.43/2.50/2.60 as well</p>

<b>Rscmuk2g driver for CMU GSM (K20, K21, K22, K23)</b>		
Revision	Date	Note
3.10.02	2/2003	Modifications: Fixed header file: <code>_OUTSIDEVEE_</code> directive
3.10.01	12/2002	Release for CMU firmware version 3.10 Modifications: add HandOverSessionName GSM850MsDualBand, RSCMU_GSM_Sig_SensRrepRPcl, RSCMU_GSM_Sig_ConfMssMconMesl RSCMU_GSM_Sig_ConfNetwNSup RSCMU_GSM_Sig_ProcSignPdatAct RSCMU_GSM_Sig_SensSignPdatServ RSCMU_GSM_Sig_ConnectToMobile  New functions: RSCMU_GSM_Sig_PdatPCMeasChan RSCMU_GSM_Sig_PdatRLCMode RSCMU_GSM_Sig_ConfNetwB52Mode RSCMU_GSM_Sig_ConfNetwSysBandInd RSCMU_GSM_Sig_ConfNetwSysPLUpdate RSCMU_GSM_Sig_ProcNetwPdatGprsCsch RSCMU_GSM_Sig_NetwPdatEgprsCsch RSCMU_GSM_Sig_NetwPdatPunctScheme RSCMU_GSM_Sig_ConfMssSslLoop RSCMU_GSM_Sig_ConfMssMslLoop RSCMU_GSM_Sig_ProcSignSslLoop RSCMU_GSM_Sig_ProcSignMslLoop RSCMU_GSM_Sig_SensMssMslPdatGprs RSCMU_GSM_Sig_SensMssMslPdatEgprs RSCMU_GSM_SigNSig_ConflQIFTXPath RSCMU_GSM_SigNSig_ConflQIFRXPath RSCMU_GSM_SigNSig_ConflQIFRXTX RSCMU_GSM_Sig_ProcBssFmDev RSCMU_GSM_Sig_TrigThrRFPow RSCMU_GSM_Sig_TrigThrIFPow RSCMU_GSM_Sig_TrigSlop RSCMU_GSM_Sig_ExtTrigOutSignal RSCMU_GSM_Sig_ExtTrigOutDelayEnable RSCMU_GSM_Sig_ExtTrigOutDelayValue RSCMU_GSM_Sig_L3MLogChangeDest RSCMU_GSM_Sig_L3MLogEnableBuffWrite RSCMU_GSM_Sig_L3MLogSave RSCMU_GSM_Sig_L3MLogBufferEmpty RSCMU_GSM_Sig_SpecSwitContStatMod RSCMU_GSM_Sig_SpecSwitSlotCount RSCMU_EDGE_Sig_SpecSwitContStatMod RSCMU_EDGE_Sig_SpecSwitSlotCount RSCMU_GSM_Sig_BlerInit RSCMU_GSM_Sig_BlerAbort RSCMU_GSM_Sig_BlerStop RSCMU_GSM_Sig_BlerContinue RSCMU_GSM_Sig_BlerErep RSCMU_GSM_Sig_BlerFetcStat RSCMU_GSM_Sig_ConfBlerRep RSCMU_GSM_Sig_ConfBlerRLCBlockCount RSCMU_GSM_Sig_ConfBlerRefLev RSCMU_GSM_Sig_ConfBlerLevInd RSCMU_GSM_Sig_BlerRead RSCMU_GSM_Sig_BlerFetch RSCMU_GSM_Sig_BlerSample

<b>Rscmuk2g driver for CMU GSM (K20, K21, K22, K23)</b>		
Revision	Date	Note
		<p>RSCMU_GSM_Sig_ConfSlotMode  RSCMU_GSM_Sig_ProcSignPdatMslSconf  RSCMU_GSM_Sig_ProcSignCswMslSconf  RSCMU_GSM_NSig_TrigSlop  RSCMU_GSM_NSig_TrigThrRFPow  RSCMU_GSM_NSig_TrigThrIFPow  RSCMU_GSM_NSig_TrigSourExt  RSCMU_GSM_NSig_SpecSwitContStatMod  RSCMU_GSM_NSig_SpecSwitSlotCount  RSCMU_EDGE_NSig_SpecSwitContStatMod  RSCMU_EDGE_NSig_SpecSwitSlotCount  RSCMU_ConfSpecSwitContStatMod  RSCMU_ConfSpecSwitSlotCount  RSCMU_MeasBler</p> <p>remove from fp:  RSCMU_GSM_Sig_ProcSignMslBsSconfInd  RSCMU_GSM_Sig_ProcSignPdatMslMtim  RSCMU_GSM_Sig_ProcSignPdatMslBsSconf  RSCMU_GSM_Sig_ProcSignPdatMslMsSconf</p> <p>Support for firmware version  2.10/2.11/2.15/2.43/2.50/2.60/2.62/2.66/3.00/3.01/3.05/3.07/3.08 as well</p>
3.08.04	10/2002	<p>Release for CMU firmware version 3.08</p> <p>It is possible to use this driver also with Agilent Visa L01.00.01 or higher</p> <p>Modifications:  - RSCMU_initGSM_Sig  - RSCMU_ScanModXper</p> <p>Support for firmware version  2.10/ 2.11/ 2.15/2.43/2.50/2.60 /3.00/3.01/3.05/3.07 as well</p>
3.07.03	08/2002	<p>Release for CMU firmware version 3.07</p> <p>Modifications:  -RSCMU_GSM_Sig_ConfSignSM  - RSCMU_ConfFilt  - RSCMU_ConfModOempLimLineDef  - RSCMU_MeasModOver  - RSCMU_CalcModOverLimMatc  - RSCMU_MeasModEvm  - RSCMU_CalcModEvmLimMatc  - RSCMU_EDGE_MeasModPerr  - RSCMU_EDGE_CalcModPerrLimMatc  - RSCMU_MeasModMerr  - RSCMU_CalcModMerrLimMatc</p> <p>Addings:  - RSCMU_ScanModOverV307  - RSCMU_ScanModEvmV307  - RSCMU_EDGE_ScanModPerrV307  - RSCMU_ScanModMerrV307</p> <p>Support for firmware version  2.10/ 2.11/ 2.15/2.43/2.50/2.60 /3.00/3.01/3.05 as well</p>
3.05RC10	02/2002	<p>Modifications:  - RSCMU_GSM_Sig_ConfNetwPdatTwack</p> <p>Corrected function name in FP</p>
3.05RC9	01/2002	<p>Modifications:  - RSCMU_GSM_Sig_ConfMssCchPcl</p>

<b>Rscmuk2g driver for CMU GSM (K20, K21, K22, K23)</b>		
Revision	Date	Note
3.05RC8	01/2002	Release for CMU firmware version 3.05 Modifications: - RSCMU_GSM_Sig_SensPdatStat - RSCMU_GSM_Sig_ProcSignMslBsSconfInd - RSCMU_ScanSensDbler: New functions: - GSM_Sig_ReadPowMprDbler - RSCMU_GSM_Sig_WaitForMsAttached - RSCMU_GSM_Sig_ConnectToMobile - RSCMU_GSM_Sig_ConnectFromMobile - RSCMU_GSM_Sig_DisconnectFromCMU - RSCMU_GSM_Sig_ConfNetwPdatEda - RSCMU_GSM_Sig_ConfNetwPdatTwack Support for firmware version 2.10/ 2.11/ 2.15/2.43/2.50/2.60 /3.00/3.01 as well
3.05RC5	09/2001	Release for CMU firmware version 3.05 Support for firmware version 2.10/ 2.11/ 2.15/2.43/2.50/2.60 /3.00/3.01 as well
3.01RC5	10/2001	Release for CMU firmware version 3.01 Changes for LabVIEW and Visual Basic Support for firmware version 2.10/ 2.11/ 2.15/2.43/2.50/2.60 /3.00 as well
3.01RC2	07/2001	Release for CMU firmware version 3.01 Added new functions for GSM 850 for Firmware 3.0x Support for firmware version 2.10/ 2.11/ 2.15/2.43/2.50/2.60 /3.00 as well
3.00	05/2001	Release for CMU firmware version 3.00 Added support for GSM 850 for firmware 3.00 Support for firmware version 2.10/ 2.11/ 2.15/2.43/2.50/2.60 as well



<b>Rscmuk2t driver for CMU TDMA (K27, K28)</b>		
Revision	Date	Note
3.10.04	02/2003	Modifications: Added functions for VEE: -RSCMU_TDMA_EMAHOAllCells_Ex -RSCMU_TDMA_EMAHOCell_Ex -RSCMU_TDMA_MAHOAllCells_Ex -RSCMU_TDMA_MAHOCell_Ex
3.10.03	01/2003	Modifications -RSCMU_TDMA_EMAHOCell - Function Panel -RSCMU_TDMA_StatOperSymbEnab -RSCMU_TDMA_StatOperSymbEvent -RSCMU_TDMA_CalcMod_Overview_Ex -RSCMU_TDMA_CalcMod_Error_Ex
3.10.02	01/2003	Release for CMU firmware version 3.10  New functions: -RSCMU_TDMA_CorrLossInpOutp -RSCMU_TDMA_Reset -RSCMU_TDMA_GPIB_Timeout -RSCMU_TDMA_ConfBERContRep -RSCMU_TDMA_ConfBER_Ex -RSCMU_TDMA_ConfBERContLimDefault -RSCMU_TDMA_CalcBERLimitMatch -RSCMU_TDMA_ConfBERErep -RSCMU_TDMA_ConfBERTset -RSCMU_TDMA_ConfSPowerEReport -RSCMU_TDMA_StatOperSymbEnab -RSCMU_TDMA_StatOperSymbEvent -RSCMU_TDMA_SetCmuVersion -RSCMU_TDMA_ConfEMAHOMeasMode -RSCMU_TDMA_EMAHOAllCells -RSCMU_TDMA_EMAHOCell -RSCMU_TDMA_EMAHO_BER -RSCMU_TDMA_EMAHO_WER -RSCMU_TDMA_EMAHO_RSSI -RSCMU_TDMA_EMAHO_CIR  Modifications -RSCMU_Init_TDMA -RSCMU_TDMA_ContinueBER -RSCMU_TDMA_CalcBERLimitMatch -RSCMU_TDMA_NpowSetExpectedPower -RSCMU_TDMA_ConfPowUppLimLineLevel -RSCMU_TDMA_ConfPowUppLimLineEnable -RSCMU_TDMA_ConfPowLowLimLineLevel -RSCMU_TDMA_ConfPowLowLimLineEnable -RSCMU_TDMA_ConfPowLimitLeakage -RSCMU_TDMA_ConfPowLimitDefault rename RSCMU_TDMA_SenseMobileInfoCapability_Ex (name too long) into RSCMU_TDMA_SenseMSInfoCapability_Ex -RSCMU_TDMA_SenseLevDefault -RSCMU_TDMA_TrigSeqDefault -RSCMU_TDMA_ConfBERContLimDefault -RSCMU_TDMA_ConfMAHODef -RSCMU_TDMA_ConfMAHOChanSort -RSCMU_TDMA_ConfMAHONeighborChan -RSCMU_TDMA_ConfNetNeighborChanSort -RSCMU_TDMA_ConfPowContDefault -RSCMU_TDMA_ConfPowLimitDefault -RSCMU_TDMA_ConfModContDefault

<b>Rscmuk2t driver for CMU TDMA (K27, K28)</b>		
Revision	Date	Note
		-RSCMU_TDMA_ConfModLimDefault -RSCMU_TDMA_ConfSpecLimChanDefault -RSCMU_TDMA_ConfSpecContDefault -RSCMU_TDMA_ConfSpecStatDefault -RSCMU_TDMA_StatOperSymbEvent Removed #pragma pack(1) from h file
3.07.02	11/2002	Changed revision number
3.07.RC2	10/2002	fixed RSCMU_TDMA_Init, RSCMU_initTDMA - copying data from base session data structure Additions: RSCMU_TDMA_SenseMobileInfoCapability_Ex RSCMU_TDMA_CalcMod_Overview_Ex RSCMU_TDMA_CalcMod_Error_Ex
3.07.01	08/2002	Release for CMU firmware version 3.07
1.17	03/2001	Release for CMU firmware version 2.43

<b>Rscmuk2a driver for CMU AMPS (K29)</b>		
Revision	Date	Note
3.10.03	01/2003	Modifications : -RSCMU_AMPS_StatOperSymbEnab -RSCMU_AMPS_StatOperSymbEvent
3.10.02	01/2003	Release for CMU firmware version 3.10  New functions: -RSCMU_AMPS_Reset -RSCMU_AMPS_GPIB_Timeout -RSCMU_AMPS_CorrLossInpOutp -RSCMU_AMPS_ConfRxafModgLev -RSCMU_AMPS_StatOperSymbEnab -RSCMU_AMPS_StatOperSymbEvent -RSCMU_AMPS_SetCmuVersion  Modifications: -RSCMU_Init_AMPS -RSCMU_AMPS_AbortStGenerator -RSCMU_AMPS_ConfModTxFilter -RSCMU_AMPS_CalcScalModTx -RSCMU_AMPS_ConfAfLLimLineLevel -RSCMU_AMPS_CalcScalAfL -RSCMU_AMPS_SampleScalRxSens -RSCMU_AMPS_ConfRxafHoldoff -RSCMU_AMPS_CalcArrRxaf -RSCMU_AMPS_CalcArrTxaf -RSCMU_AMPS_SenseLevModeRF function panel -RSCMU_AMPS_ConfRxafTestToneDefinition -RSCMU_AMPS_ConfRxafLimitLines -RSCMU_AMPS_ConfTxafLimitLines -RSCMU_AMPS_ConfTxafLimitLines_Ext -RSCMU_AMPS_ConfRxafLimitLines_Ext -RSCMU_AMPS_ConfTxafTestTones_Ext -RSCMU_AMPS_SenseLevDefaultAF -RSCMU_AMPS_TrigSeqSource -RSCMU_AMPS_TrigSeqThreshold -RSCMU_AMPS_TrigSeqDefault -RSCMU_AMPS_SenseLevDefaultRF -RSCMU_AMPS_ConfModTxContDefault -RSCMU_AMPS_ConfModTxLimDefault -RSCMU_AMPS_ConfModTxFilterDefault -RSCMU_AMPS_ConfModCPOWContDefault -RSCMU_AMPS_ConfModTADContDefault -RSCMU_AMPS_ConfHnTxContDefault -RSCMU_AMPS_ConfHnTxLimDefault -RSCMU_AMPS_ConfHnTxFilterDefault -RSCMU_AMPS_ConfAfLContDefault -RSCMU_AMPS_ConfAfLLimLineDefault -RSCMU_AMPS_ConfAfLFilterDefault -RSCMU_AMPS_ConfTxafContDefault -RSCMU_AMPS_ConfTxafLimitDefault -RSCMU_AMPS_ConfTxafTestTonesDefault -RSCMU_AMPS_ConfTxafFilterDefault -RSCMU_AMPS_ConfRxAfanContDefault -RSCMU_AMPS_ConfRxAfanLimitsDefault -RSCMU_AMPS_ConfRxAfanFilterDefault -RSCMU_AMPS_ConfRxSINADContDef -RSCMU_AMPS_ConfRxHnContDefault -RSCMU_AMPS_ConfRxHnLimitsDefault -RSCMU_AMPS_ConfRxHnFilterDefault

<b>Rscmuk2a driver for CMU AMPS (K29)</b>		
Revision	Date	Note
		-RSCMU_AMPS_ConfRxSensLimitsDefault -RSCMU_AMPS_ConfRxafContDefault -RSCMU_AMPS_ConfRxafLimitDefault -RSCMU_AMPS_ConfRxafTestTonesDefault -RSCMU_AMPS_ConfRxafFilterDefault -RSCMU_AMPS_StatOperSymbEvent Removed #pragma pack(1) from h file
3.07.02	10/2002	Changed revision number
1.191	10/2002	Modifications RSCMU_Init_AMPS - bugfix RSCMU_initAMPS - bugfix
3.07.01	09/2002	
1.18	03/2001	Release for CMU firmware version 2.43/2.50

<b>Rscmu2bt driver for CMU BLUETOOTH (K53)</b>		
Evision	Date	Note
3.10.06	02/2003	Fill in the documentation to FP Fixed FP file - bad panel for RSCMUBT_Sig_ConfSubModDev
3.10.05	01/2003	Bug fixes: - Fixed FP file to work correctly in VEE - Added constants definition to header (duplicate with rscmu200.h) to work properly in VEE
3.10.04	12/2002	Fill in the documentation to FP and C file Bug fixes: - All printf occurrences should apply to debug only-added preprocessor definitions - RSCMUBT_Sign_GetModDevExt: removed all printf occurrences - RSCMUBT_Sig_ConfNetwHoldHint: fixed bad command Removed functions - Sig_SensSinfFeatList (no longer supported by firmware) - Sig_SensSinfFeatList (no longer supported by firmware) New functions (external) - RSCMUBT_Sig_ConfRxqSberContStat - Sig_ConfNetwAudAirc - Sig_ConfNetwAudBits - Sig_ConfNetwAudBits - Sig_ConfNetwAudDelt - Sig_ConfNetwAudPty - Sig_ConfNetwSnifInt - Sig_ConfNetwSnifAtt - Sig_ConfNetwSnifTout - Sig_ConfNetwParkBint - Sig_ConfNetwHoldHint Some minor corrections Changes - Defines for driver version moved to header file
3.10.00	11/2002	Release for CMU firmware version 3.10  Changes in functions: - RSCMUBT_REVISION definition changed - RSCMUBT_Sig_ProcSignAct - RSCMUBT_Sig_SsigTmodTxtLots - RSCMUBT_Sig_SsigTmodLbtLots - RSCMUBT_Sig_ConfRxqBerTsetLots  New functions (internal) - RSCMUBT_Get_BT_FW_Version  New functions (external) - RSCMUBT_RoutSpnInp - RSCMUBT_RoutSpdOutp - RSCMUBT_Sig_SensXSignStat - RSCMUBT_Sig_SensSinfFeatTsd - RSCMUBT_Sig_SensSinfFeatFcl - RSCMUBT_Sig_SensSinfFeatLfr - RSCMUBT_Sig_ConfPowTimMfrSim - RSCMUBT_Sig_ReadPowMprExtSim - RSCMUBT_Sig_ConfModDevFban - RSCMUBT_Sig_ConfModDevFdal - RSCMUBT_ConfModDevBath - RSCMUBT_Sig_ReadModDevExt - RSCMUBT_Sig_FetcModDevExt - RSCMUBT_Sign_GetModDevExt - RSCMUBT_Sig_ConfMsigDtr - RSCMUBT_Sig_ConfMsigPagRsin - RSCMUBT_Sig_ConfRxqBerTsetWhit

		<ul style="list-style-type: none"> <li>- RSCMUBT_Sig_ConfRxqSberContStat</li> <li>- RSCMUBT_Sig_ConfRxqSberLots</li> <li>- RSCMUBT_Sig_ConfRxqSberHsch</li> <li>- RSCMUBT_Sig_ConfRxqSberFreq</li> <li>- RSCMUBT_Sig_ConfRxqSbe</li> </ul>
3.07RC01	10/2002	<p>Modifications:</p> <ul style="list-style-type: none"> <li>- RSCMUBT_Sig_ConfPowTimeLim Additional parameters to command were added</li> <li>- RSCMUBT_Sig_ConfRxqBerContRep Command formatting was missing Test Setup</li> <li>- RSCMUBT_Sig_ConfRxqBerTsetFreq Added bluetooth FW version check. This function does not work on BT FW &lt;= 3.07E 3.07E only accepts frequency specified as channel This is handled by a new function RSCMUBT_Sig_ConfRxqBerTsetChan</li> <li>- RSCMUBT_Sig_ConfRxqSberErep Changed order of items in Event Reporting control on FP, so that the items are in ascending order starting from zero.</li> <li>- RSCMUBT_Sig_SsigTmodLbtUdl Wrong parameter separator (:) was replaced with a correct one (space) when building the command string</li> <li>- In RSCMU2BT.H macro _REMOVXIPNP renamed to a more self-descriptive _REMOVE_VXIPNP_FUNCTIONS_</li> </ul> <p>Additions:</p> <ul style="list-style-type: none"> <li>- RSCMUBT_Sig_ConfRxqBerTsetChan (see above)</li> </ul> <p>Pending:</p> <ul style="list-style-type: none"> <li>- RSCMUBT_Sig_DefSsig Uses wrong command. Correct command from manual does not work either (not accepted by the instrument)</li> </ul>
3.07.00	09/2002	<p>This release includes all functions for the CMU Bluetooth firmware version 3.07.</p> <p>Compared to previous versions, this new driver version provides an improved function panel and function name syntax.</p> <p>Note: For compatibility purposes the old function names still exist, but we recommend highly to use the new function name.</p> <p>Support for firmware version 2.60/2.62/ 2.66 as well</p>
2.62RC5	10/2001	<p>Release for CMU firmware version 2.62/2.66</p> <p>Modifications:</p> <ul style="list-style-type: none"> <li>- Added VXIplug&amp;play support for Agilent VEE</li> <li>- Renamed revision macro to RSCMUBT_REVISION</li> </ul>
2.62RC4	09/2001	<p>Release for CMU firmware version 2.62</p> <p>Changed several functions</p> <p>Support for firmware version 2.60 as well</p>
2.62RC1	08/2001	<p>Release for CMU firmware version 2.62</p> <p>Added new functions</p> <p>Added VXIplug&amp;play support</p> <p>Support for firmware version 2.60 as well</p>
2.62	07/2001	<p>Release for CMU firmware version 2.62</p> <p>Support for firmware version 2.60 as well</p>
2.60	02/2001	<p>Release for CMU firmware version 2.60</p>

<b>Rscmuk6w driver for CMU WCDMA FDD UE (K65, K66)</b>		
Revision	Date	Note
3.07.02	08/2002	<p>Release for CMU firmware version 3.07</p> <p>Modifications:  RSCMU_WCDMA_NSig_DefRfgCont changed to  RSCMU_WCDMA_NSig_DefRfggenCont</p>
3.07.01	08/2002	<p>Release for CMU firmware version 3.07</p> <p>This release includes all functions for WCDMA (3GPP/FDD, DL) XSlot and RXQual (BER).</p> <p>Addings:  RSCMU_WCDMA_NSig_SourRfgDbchLevPich  RSCMU_WCDMA_NSig_SourRfgDbchPichCode  RSCMU_WCDMA_NSig_SourRfgTpcPattern  RSCMU_WCDMA_NSig_Outp  RSCMU_WCDMA_NSig_SourCorrLossOutp  RSCMU_WCDMA_NSig_ConfUecDpchCmode  RSCMU_WCDMA_NSig_ConfPowXSlotContSDEL  RSCMU_WCDMA_NSig_ConfPowXSlotContSWID  RSCMU_WCDMA_NSig_ConfPowXSlotContSCO  RSCMU_WCDMA_NSig_ConfPowXSlotContPMWd  RSCMU_WCDMA_NSig_DefPowXSlotCont  RSCMU_WCDMA_NSig_ConfPowXSlotContRep  RSCMU_WCDMA_NSig_ReadPowXSlot  RSCMU_WCDMA_NSig_FetcPowXSlot  RSCMU_WCDMA_NSig_SampPowXSlot  RSCMU_WCDMA_NSig_InitPowXSlot  RSCMU_WCDMA_NSig_AborPowXSlot  RSCMU_WCDMA_NSig_StopPowXSlot  RSCMU_WCDMA_NSig_ContPowXSlot  RSCMU_WCDMA_NSig_FetcPowXSlotStat  RSCMU_WCDMA_NSig_ConfPowXSlotErep  RSCMU_WCDMA_NSig_InitRXQuBER  RSCMU_WCDMA_NSig_AborRXQuBER  RSCMU_WCDMA_NSig_StopRXQuBER  RSCMU_WCDMA_NSig_ContRXQuBER  RSCMU_WCDMA_NSig_FetcRXQuBERStat  RSCMU_WCDMA_NSig_ConfRXQuBERErep  RSCMU_WCDMA_NSig_DefRXQuBERCont  RSCMU_WCDMA_NSig_ConfRXQuBERContRep  RSCMU_WCDMA_NSig_ReadRXQuBER  RSCMU_WCDMA_NSig_FetcRXQuBER  RSCMU_WCDMA_NSig_SampRXQuBER  RSCMU_WCDMA_NSig_ConfRXQuBERTBLocks  RSCMU_WCDMA_NSig_ConfRXQuBERTBSize  RSCMU_WCDMA_NSig_ConfRXQuBERTIMing  RSCMU_WCDMA_NSig_ConfRXQuBERLimit  RSCMU_WCDMA_NSig_DefRXQuBERLim  RSCMU_WCDMA_NSig_CalcRCQuBERMatch</p>

<b>Rscmuk8c driver for CMU CDMA (K81, K82)</b>		
Revision	Date	Note
3.10.00	01/2003	Release for CDMA FW 3.10 - Change variable names in function panel to avoid - RSCMU_SeparateString - RSCMU_GetMeasurementStatus - RSCMU_GetMeasureMatching - RSCMU_CDMA_SenseLevDefault - RSCMU_CDMA_SourceDmClockFreq - RSCMU_CDMA_CalcScalRfanModMatchLimit - RSCMU_CDMA_DefBSSignalLev - RSCMU_CDMA_ConfOverModUpperLim - RSCMU_CDMA_ConfSubarrPowGatedOut - RSCMU_CDMA_ConfPowGatedOutLimits - RSCMU_CDMA_FetchArrayPowOLResp - RSCMU_CDMA_SampleArrayPowOLResp - RSCMU_CDMA_ConfRxqFERContRep - RSCMU_CDMA_ConfRxqFERErep - RSCMU_CDMA_StatOperSymbEnab - RSCMU_CDMA_StatOperSymbEvent - RSCMU_CDMA_ConfSubarray - RSCMU_CDMA_ConfModLimSymm - RSCMU_CDMA_ConfModLimVal - RSCMU_CDMA_ReadMod - RSCMU_CDMA_FetchMod - RSCMU_CDMA_SampleMod - RSCMU_CDMA_ReadMod_Overview_Ex - RSCMU_CDMA_FetchMod_Overview_Ex - RSCMU_CDMA_SampleMod_Overview_Ex - RSCMU_CDMA_CalcMod_Overview_Ex - RSCMU_CDMA_ReadMod_Error_Ex - RSCMU_CDMA_FetchMod_Error_Ex - RSCMU_CDMA_SampleMod_Error_Ex - RSCMU_CDMA_CalcMod_Error_Ex - RSCMU_CDMA_ConfSubarray - RSCMU_CDMA_ConfHandoffRFPChannel
1.179	04/2002	Release for CMU firmware version 3.07
1.17	08/2001	The VXIPnP instrument driver will also work with Visual Basic now Release for CMU firmware version 2.50
1.16	05/2001	Release for CMU firmware version 2.50



<b>Rscmuc2k driver for CMU CDMA2000 (K83, K84, K85, K86)</b>		
Revision	Date	Note
3.11.01	01/2003	Release for CMU firmware version 3.11 Modification: - RSCMU_CDMA2K_ReadMod_Overview_Ex - RSCMU_CDMA2K_FetchMod_Overview_Ex - RSCMU_CDMA2K_SampleMod_Overview_Ex - RSCMU_CDMA2K_StatOperSymbEnab - RSCMU_CDMA2K_StatOperSymbEvent - RSCMU_CDMA2K_ConfSubArrPowGateOut - RSCMU_CDMA2K_ConfSubArrayMod
3.10RC12	01/2003	Release for CMU firmware version 3.10 Modification: Added functions for firmware version 3.10
3.09.00	09/2002	Release for CMU firmware version 3.09 Modification: Cleanup Header file: -Remove #include <cvidf.h> -Replace CVI_FUNC type to _VI_FUNC -Replace type double with ViReal64 in the ERROR_LIMITS, ERROR_MOD and OVERVIEW Cleanup RSCMUC2K.c file: -RSCMU_SeparateString -RSCMU_GetMeasurementStatus -RSCMU_GetMeasureMatching -Modified ModQualSban FLOAT_TYPE from 1600000 to 2000000 Modified fp for RSCMU_CDMA2K_ConfModMQualContSBdFOffs limit Modified struct RSCMU_CDMA_Globals Added version check for: RSCMU_CDMA2K_ConfOverCQualContRep RSCMU_CDMA2K_XTNDOverCQualClev RSCMU_CDMA2K_ConfOverCQualLimMaxFER RSCMU_CDMA2K_ConfOverCQualLimCLEV RSCMU_CDMA2K_ReadOverCQuality RSCMU_CDMA2K_FetchOverCQuality RSCMU_CDMA2K_SampleOverCQuality RSCMU_CDMA2K_CalcOverCQualMatcLim
3.08RC10	09/2002	Release for CMU firmware version 3.08 Modification: Added functions for firmware version 3.08
3.05RC3	04/2002	Modification: - Replaced double types with ViReal64 - Some LabVIEW VIs modified, see the LabVIEW driver for more information
3.05RC2	03/2002	Release for CMU firmware version 3.05 Modification: - Added VXIplug&play support - Removed unrefenced variables - Corrected parameter order in: RSCMU_CDMA2K_SampleMod_Overview_Ex RSCMU_CDMA2K_CalcMod_Overview_Ex RSCMU_CDMA2K_FetchMod_Overview_Ex - Corrected function names: CDMA2K_CofNetRegPowUp CDMD2K_ConfBSSProIDNumber
3.05RC1	01/2002	Release for CMU firmware version 3.05