

UPP Remote Control Commands V3.3.0.724, 24.10.2011

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Differences between firmware version V3.2.0.683 and V3.3.0.724 are printed in **red** and marked with **(new)**.

Blue comments are specials relating to queries.

Subsys<i> is a replacement for the graphical subsystems SWEep, FFT, WAVEform and BARgraph

- SWEep<i>: i = 1 to 4
- FFT<i>: i = 1 or 2
- WAVEform<i>: i = 1
- BARgraph<i>: i = 1 or 2

List of Remote Control Commands arranged in groups

Group	Command-Mnemonic	New
Adjust	DIAGnostic:ADJustment AAGEn or CAGEn AANLr0 or CANLr0 ADGEn	
Adjust	DIAGnostic:ADJustment:ADDRes <n>	
Adjust	DIAGnostic:ADJustment:FDATa <n>	
Anl Config	ARM:FREQuency:STARt <nu>	
Anl Config	ARM:FREQuency:STOP <nu>	
Anl Config	ARM:LEVel:MIN <nu>	
Anl Config	ARM:VOLTage:STARt <nu>	
Anl Config	ARM:VOLTage:STOP <nu>	
Anl Config	INPut:AUDIobits <n> n = 8 ... 24	
Anl Config	INPut:BANDwidth:MODE B22 B40 B80	
Anl Config	INPut:BCLK:FREQuency? <i>Query only</i>	
Anl Config	INPut:CHANnel	

	CH1 CH2 BOTH MULTi	
Anl Config	INPut:COUPling:CHANnels TRACk SPLit	
Anl Config	INPut:FBIT MSB LSB	
Anl Config	INPut:FILTer OFF UFIL1...9 AWE CCIR CARM CCIU CCIT CMES DCN DEMP17 DEMP5015 DEMP50 DEMP75 IECT JITT PEMP17 PEMP5015 PEMP50 PEMP75 URUM WRUM HP22 HP400 LP22 LP30 LP80 AES17 CWE	
Anl Config	INPut:FORMat SI2S USERdefined	
Anl Config	INPut:FSLope LFTFalling LFTRising	
Anl Config	INPut:MCHannels<ch> ON OFF Digital Instrument: <ch> = 1 ... 2 Analog Instrument: <ch> = 1 ... 8	
Anl Config	INPut:MIMPedance:CHANnels TRACk	

	SPLit	
Anl Config	INPut:MIMPedance<ch> R200K R600 <ch> = 1 ... 8 Only for devices greater serial number 120100, 140100, 180100	
Anl Config	INPut:RANGe:CHANnels TRACk SPLit	
Anl Config	INPut:SAMPlE:FREQuency <nu>	
Anl Config	INPut:SAMPlE:FREQuency:MODE For analyzer instrument DIGITAL: AUTO or AUTO F32 F44 F48 F88 F96 F176 F192 VALue For analyzer instrument I2SBOARD: AUTO or AUTO F08 F11 F16 F22 F32 F44 F48 F88 F96 F176 F192 VALue	
Anl Config	INPut:WLENgth W16 W24 W32	
Anl Config	INPut:WOffset <n>	
Anl Config	INPut<ch>:COUPling AC DC <ch> = 1 ... 8	
Anl Config	INSTRument2 ANLG ist Alias zu A8CHannel DIG or D48 I2Sboard or I2S HDMI	(new)

	<p>Alias</p> <p>INSTRument2:NSElect 1 2 3 4 8</p> <p>1 ist Alias zu A8Channel</p> <p>2 or 3 = DIG</p> <p>4 = I2Sboard</p> <p>8 = A8Channel</p> <p>11 = HDMI</p>	
Anl Config	<p>SENSE:CMPIFactor <n></p> <p><n> = 2 ... 1024</p>	
Anl Config	<p>SENSE:DATA:ALL?</p> <p>SENSE:DATA:ALL? MIN</p> <p>SENSE:DATA:ALL? MAX</p> <p>Query Only</p>	
Anl Config	<p>SENSE:HDMI:AUDIO:CODing</p> <p>PCM</p> <p>AUTodetect</p>	(new)
Anl Config	<p>SENSE:HDMI:AUDIO:CODing:DETEcted:STRing?</p> <p>Query Only</p>	(new)
Anl Config	SENSE:HDMI:AUDIO:CTS <n>	(new)
Anl Config	<p>SENSE:HDMI:AUDIO:FORMat?</p> <p>PCM2ch</p> <p>PCM8ch</p> <p>DBD</p> <p>DBDP</p> <p>DBTHd</p> <p>DTS</p> <p>DTSHd</p> <p>DTSMaster</p>	(new)
Anl Config	SENSE:HDMI:AUDIO:INFoframe:STRing <String>	(new)
Anl Config	<p>SENSE:HDMI:AUDIO:INPut</p> <p>SINK</p> <p>SARC</p> <p>DIUnbal</p> <p>DIOptical</p>	(new)
Anl Config	SENSE:HDMI:AUDIO:N <n>	(new)
Anl Config	SENSE:HDMI:AVI:STRing <String>	(new)
Anl Config	SENSE:HDMI:EEDid:STRing <String>	(new)
Anl Config	SENSE:HDMI:SPD:STRing <String>	(new)
Anl Config	SENSE:HDMI:VIDeo:FORMat <string>	(new)
Anl Config	SENSE:HDMI:VIDeo:TIMing:STRing <String>	(new)
Anl Config	SENSE:POWER:REFerence:RESistance <nu>	
Anl Config	SENSE:REFerence <nu>	
Anl Config	<p>SENSE:REFerence:CHANnel</p> <p>OFF</p> <p>CH1</p> <p>CH2</p> <p>CH3</p> <p>CH4</p> <p>CH5</p> <p>CH6</p> <p>CH7</p> <p>CH8</p>	

Anl Config	<p>SENSe:REFerence:MODE Dual Channel: CH1Store CH2Store CH1Meas CH2Meas STORe GENTrack VALue</p> <p>Multichannel: SENSe:REFerence:MODE VALue MREFchannel GENTrack CH1Store CH2Store CH3Store CH4Store CH5Store CH6Store CH7Store CH8Store</p>	
Anl Config	<p>SENSe:REFerence:MODE2 Dual Channel: CH1Store CH2Store CH1Meas CH2Meas STORe GENTrack VALue</p> <p>Multichannel: SENSe:REFerence:MODE VALue MREFchannel GENTrack CH1Store CH2Store CH3Store CH4Store CH5Store CH6Store CH7Store CH8Store</p>	
Anl Config	SENSe:REFerence2 <nu>	
Anl Config	SENSe:TRIGger:SETTling:COUNT <n>	
Anl Config	<p>SENSe:TRIGger:SETTling:MODE OFF EXPOntial FLAT AVERage</p>	
Anl Config	SENSe:TRIGger:SETTling:RESolution <nu>	
Anl Config	SENSe:TRIGger:SETTling:TOLerance <nu> PCT	
Anl Config	SENSe:VOLTage:RANGe<ch>:MODE	

	AUTO FIX LOWER <ch> = 1 ... 8	
Anl Config	SENSe:VOLTage:RANGe<ch>:VALue <nu> <ch> = 1 ... 8 <nu>: Range 200 mV: 0.2 Range 800 mV: 0.8 Range 3 V: 3 Range 12 V: 12 Range 50 V: 50 Query: The query answer is the nominal value of the range in volt without unit: Exceptionally the using of the query form "SENSe:VOLT:RANGe<ch>:VALue? MIN or MAX" is not allowed.	
Anl Config	SENSe<x>:DATA<y>? MIN SENSe<x>:DATA<y>? MAX Query only	
Anl Config	SENSe2:DATA:ALL? SENSe2:DATA:ALL? MIN SENSe2:DATA:ALL? MAX Query Only	
Anl Config	SENSe2:DATA<ch>? <ch> = 1 ... 8	
Anl Config	SENSe2:FUNCTion OFF IPEAK or IPEAK	
Anl Config	SENSe2:REFerence <nu>	
Anl Config	SENSe2:REFerence:MODE Dual channel: CH1Store CH2Store STORE CH1Meas CH2Meas GENTrack DIGoutampl VALue Multichannel: SENSe2:REFerence:MODE VALue MREFchannel GENTrack CH1Store CH2Store	

	CH3Store CH4Store CH5Store CH6Store CH7Store CH8Store	
Anl Config	SENSe2:UNAuto ON OFF	
Anl Config	SENSe2:UNAuto2 ON OFF	
Anl Config	SENSe2:UNIT V DBV DBR FS :	
Anl Config	SENSe2:UNIT2 V DBV DBR FS :	
Anl Config	SENSe2:USERunit 'Unitstring'	
Anl Config	SENSe2:USERunit2 'Unitstring'	
Anl Config	SENSe3:DATA:ALL? SENSe3:DATA:ALL? MIN SENSe3:DATA:ALL? MAX Query Only	
Anl Config	SENSe3:DATA<ch>? <ch> = 1 ... 8	
Anl Config	SENSe3:FREQuency:APERture:MODE FAST PRECision	
Anl Config	SENSe3:FREQuency:REFerence <nu>	
Anl Config	SENSe3:FREQuency:REFerence:MODE Dual Channel: CH1Store CH2Store CH1Meas CH2Meas STORe GENTrack VALue Multichannel: VALue MREFchannel GENTrack CH1Store CH2Store	

	CH3Store CH4Store CH5Store CH6Store CH7Store CH8Store CH1Store ... CH8Store and STORE are actions, afterwards the internal state is VALUE, so the query answer is VALUE.	
Anl Config	SENSE3:FREQUENCY:UNAuto ON OFF	
Anl Config	SENSE3:FREQUENCY:UNIT HZ DHZ DPCTHZ TERZ OCT DEC FFR	
Anl Config	SENSE3:FREQUENCY:USERunit 'Unitstring'	
Anl Config	SENSE3:FUNCTION OFF FREQUENCY FQPHase FQGRoupdelay FQSamplefrequency SFREQUENCY	
Anl Config	SENSE3:GROUPdelay:REFERENCE <nu> 0 ... 10 s	
Anl Config	SENSE3:PHASE:FORMAT POSitive POSNegative NEGative RAD RADBipolar RADNegative INFinite	
Anl Config	SENSE3:PHASE:REFERENCE <nu> -360° ... +360° -6,32832 ... +6,32832 RAD	
Anl Config	SENSE3:PHASE:REFERENCE:MODE Dual Channel: STORE VALUE GENTrack STORE is an action, the internal state is VALUE, so the query answer is always VALUE. Multichannel: VALUE GENTrack	

Anl Config	SENSe3:PHASe:UNAuto ON OFF	
Anl Config	SENSe3:PHASe:UNIT DEG RAD DDEG DRAD S DS	
Anl Config	SENSe3:PHASe:USERunit 'Unitstring'	
Anl Config	SENSe4:DATA?	
Anl Config	SENSe6:DATA:ALL? SENSe6:DATA:ALL? MIN SENSe6:DATA:ALL? MAX Query Only	
Anl Config	SENSe6:DATA<ch>? <ch> = 1 ... 8	
Anl Config	SENSe6:FUNcTion OFF LRMS DC PEAK	
Anl Config	SENSe6:REFerence <nu>	
Anl Config	SENSe6:REFerence:MODE Dual Channel: CH1Store CH2Store STORE CH1Meas CH2Meas GENTrack VALue Multichannel: SENSe6:REFerence:MODE VALue MREFchannel GENTrack CH1Store CH2Store CH3Store CH4Store CH5Store CH6Store CH7Store CH8Store	
Anl Config	SENSe6:UNAuto ON OFF	
Anl Config	SENSe6:UNAuto2 ON	

	OFF	
Anl Config	SENSe6:UNIT V DBV DBR FS :	
Anl Config	SENSe6:UNIT2 V DBV DBR FS :	
Anl Config	SENSe6:USERunit 'Unitstring'	
Anl Config	SENSe6:USERunit2 'Unitstring'	
Anl Config	SENSe7:FUNcTion OFF ON	
Anl Config	SENSe7:MMODE STANdard COMPressed USAMple	
Anl Config	SENSe7:TRIGger:AUTO ON OFF	
Anl Config	SENSe7:TRIGger:LEVel <nu>	
Anl Config	SENSe7:TRIGger:PRE <nu>	
Anl Config	SENSe7:TRIGger:SLOPe RISing FALLing	
Anl Config	SENSe7:TRIGger:SOURce Dual channel: CH1 CH2 MANual GENBurst Multichannel: TRGChannel MANual GENBurst	
Anl Config	SENSe7:TRIGger:TRCLength <nu>	
Anl Config	TRIGger:CHANnel OFF CH1 CH2 CH3 CH4 CH5 CH6 CH7 CH8	

Anl Config	TRIGger:COUNT <n>	
Anl Config	TRIGger:DELay <nu>	
Anl Config	TRIGger:FREQUency:VARiation <nu>	
Anl Config	TRIGger:SOURce Dual Channel: AUTO or AUTo or IMMEDIATE TIMer TCHart CH1Freq CH2Freq CH1Rapidfreq CH2Rapidfreq CH1Level CH2Level CH1Trigger CH2Trigger CH1Edgetrigger CH2Edgetrigger Multichannel: AUTO TIMer FREQUency RAPIdfreq LEVel TRIGger EDGetrigger	
Anl Config	TRIGger:TIMer <nu>	
Anl Config	TRIGger:VOLTage:VARiation <nu>	
Anl Funct	MMEMory:LOAD:FREQUency:SLCFrequency 'filename'	
Anl Funct	MMEMory:LOAD:IEQualize 'filename'	
Anl Funct	SENSE: BANDwidth <nu>	
Anl Funct	SENSE: BANDwidth: MODE PPCT1 PPCT3 POCT12 PTOC PFAS PFIX SPCT1 SPCT3 SOCT12 STOC SFAS SFIX	
Anl Funct	SENSE: CHANnel: DELay <nu>	
Anl Funct	SENSE: DATA<ch>? <ch> = 1 ... 8	
Anl Funct	SENSE: FILTer<i> OFF UFIL1 UFIL2	

	UFIL3 UFIL4 UFIL5 UFIL6 UFIL7 UFIL8 UFIL9 AWE CARM CCIU CCIR CCIT CMES DEMP17 DEMP5015 DEMP50 DEMP75 DCN IECT JITT URUM WRUM PEMP17 PEMP5015 PEMP50 PEMP75 HP22 HP400 LP22 LP30 LP80 AES17 CWE <i> = 1, 2	
Anl Funct	SENSE:FREQuency <nu>	
Anl Funct	SENSE:FREQuency:FACTor <nu>	
Anl Funct	SENSE:FREQuency:LIMit ON OFF	
Anl Funct	SENSE:FREQuency:LIMit:LOWer <nu>	
Anl Funct	SENSE:FREQuency:LIMit:UPPer <nu>	
Anl Funct	SENSE:FREQuency:SElect CW or FIXed GENTrack CH1Freq Alias CH1 CH2Freq Alias CH2 AUToboth or AUTOboth Multichannel: SENSE:FREQuency:SElect CW or FIXed GENTrack REFFrequency AUToboth or AUTOboth	
Anl Funct	SENSE:FUNCTion	(new)

	OFF RMS RMSSelect PEAK SN FFT THD THDNsdr MDISt DFD POLarity NOCTave LIPSync BERT	
Anl Funct	SENSE:FUNCTION:APERture:MODE For analyzer function RMS AFASt AUTO GENTrack VALue For analyzer function S/N in MeasMode Pos Peak, Neg Peak, Pk to Pk and Abs Peak FAST SFAST SLOW For analyzer function THD+N/SINAD WIDE MEDium NARRow	
Anl Funct	SENSE:FUNCTION:BARGraph ON OFF	
Anl Funct	SENSE:FUNCTION:DCSuppression ON OFF	
Anl Funct	SENSE:FUNCTION:DISTortion<i> ON OFF <i> = 2 ... 9 describes harmonics	
Anl Funct	SENSE:FUNCTION:FFT:AVERAge <n> 1 ... 10000	
Anl Funct	SENSE:FUNCTION:FFT:AVERAge:MODE OFF NORMAl EXPonential	
Anl Funct	SENSE:FUNCTION:FFT:MTIME? Query only	
Anl Funct	SENSE:FUNCTION:FFT:RESolution?	

	Query only	
Anl Funct	SENSe:FUNcTion:FFT:Size S512 S1K S2K S4K S8K S16K S32K S64K S128K S256K	
Anl Funct	SENSe:FUNcTion:FFT:START? Query only	
Anl Funct	SENSe:FUNcTion:FFT:STATe ON OFF	
Anl Funct	SENSe:FUNcTion:FFT:STOP? Query only	
Anl Funct	SENSe:FUNcTion:FFT:TRIGgered ON OFF	
Anl Funct	SENSe:FUNcTion:FFT:WINDow RECTangular HANN BLACKman_harris RIF1 RIF2 RIF3 HAMMing FLATtop	
Anl Funct	SENSe:FUNcTion:MMODE Peak PPEak NPEak PTOPeak PABSolut SN RMS QPEak PPEak NPEak PTOPeak PABSolut THD SElectdi LSElectdi DALL LDALI DODD LDODd DEVen	

	LDEven THD+N THDN LTHDn SNDRatio Alias SINad NOISE LNOise DFD D2_268 or D2 D3_268 or D3 D2_118 D3_118 NOCTave OCT1 OCT3 OCT6 OCT12 OCT24 CBANd PESQ PEAQ DUT OFFLine	
Anl Funct	SENSe:FUNcTion:REFNment N1 N2 N4 N8	
Anl Funct	SENSe:FUNcTion:SETTling:COUnT <nu>	
Anl Funct	SENSe:FUNcTion:SETTling:MODe OFF EXPOntial FLAT AVERAge	
Anl Funct	SENSe:FUNcTion:SETTling:RESolution <nu>	
Anl Funct	SENSe:FUNcTion:SETTling:TOLerance <nu> PCT	
Anl Funct	SENSe:FUNcTion:SETTling:TOUT <nu>	
Anl Funct	SENSe:FUNcTion:SNSequence ON OFF	
Anl Funct	SENSe:LIPSync:AUDio:THReshold:LOW <nu>	(new)
Anl Funct	SENSe:LIPSync:COLor:THReshold:HIGH:STRing <string> <string> z.B. '(255,255,255)'	(new)
Anl Funct	SENSe:LIPSync:COLor:THReshold:LOW:STRing <string> <string> z.B. '(255,255,255)'	(new)
Anl Funct	SENSe:SWEEP:CONTRol OFF ASWEEP ALIST	

Anl Funct	SENSe:SWEEp:POINts <n>	
Anl Funct	SENSe:SWEEp:SPACing LINSteps LOGSteps LINPoints LOGPoints	
Anl Funct	SENSe:SWEEp:STARt <nu>	
Anl Funct	SENSe:SWEEp:STEP <nu>	
Anl Funct	SENSe:SWEEp:STOP <nu>	
Anl Funct	SENSe:THDN:REJection NARRow WIDE	
Anl Funct	SENSe:UNAuto ON OFF	
Anl Funct	SENSe:UNAuto2 ON OFF	
Anl Funct	SENSe:UNIT V DBV DBR FS :	
Anl Funct	SENSe:UNIT2 V DBV DBR FS :	
Anl Funct	SENSe:USERunit 'Unitstring'	
Anl Funct	SENSe:USERunit2 'Unitstring'	
Anl Funct	SENSe:VOLTage:APERture <nu>	
Anl Funct	SENSe:VOLTage:EQualize ON OFF	
Anl Funct	SENSe:VOLTage:FUNDamental <nu>	
Anl Funct	SENSe:VOLTage:FUNDamental:MODE AUTO VALue GENTrack	
Anl Funct	SENSe:VOLTage:INTVtime <nu>	
Anl Funct	SENSe:VOLTage:INTVtime:MODE SFASt (for Peak measurement only) FAST (for Peak measurement only) SLOW (for Peak measurement only) FIXed or FIX3 (for QuasiPeak only) VALue (for Peak and QuasiPeak)	
Anl Proto	SENSe8:FUNCTion OFF	

	ON	
Anl Proto	SENSe8:PROTOcol:CH<x>:BYTE<y>? <x> are <y> suffixes <x> = Channel 1 or 2 <y> = Byte 0 ... 4 Retrunvalue = 0 ... 255 Query only	
Anl Proto	SENSe8:PROTOcol:DISPlay ON OFF	
Anl Proto	SENSe8:PROTOcol:ERRor:PCM<i>? SENSe8:PROTOcol:ERRor:PAR<i>? SENSe8:PROTOcol:ERRor:LOC<i>? SENSe8:PROTOcol:ERRor:CRC<i>? SENSe8:PROTOcol:ERRor:INV<i>? <i> = 1 or 2 for Ch 1 or Ch 2 Query only "0" = no error "1" = error	
Anl Proto	SENSe8:PROTOcol:ERRor? Query only Answer: 0,"No error" or <n>,"PCM1,PCM2,PAR1,PAR2,..." <n> represents 10 Bits (d0 ... d9) <n> = 0 ... 1023 d0: PCM1 d1: PCM2 d2: PAR1 d3: PAR2 d4: LOC1 d5: LOC2 d6: CRC1 d7: CRC2 d8: INV1 d9: INV2	
Anl Proto	SENSe8:PROTOcol:HIGHlight NOThing FOUtput BETWeen FStart	
Anl Proto	SENSe8:PROTOcol:MODE AUTomatic or AUTOMATIC CONSUMER PROFessional	
Anl Proto	SENSe8:PROTOcol:PERStence SHORT LONG FORever	

Anl Proto	SENSe8:PROTOcol:VIEW BINText BINonly	
Aud Mon	AUXiliaries:AUDMonitor ON OFF	
Aud Mon	AUXiliaries:SPEaker:MONitor<i> OFF CH1 CH2 : Ch8 I = 1 2	
Aud Mon	AUXiliaries:SPEaker:SOURce INPut FUNcTion DC	
Aud Mon	AUXiliaries:SPEaker:VOLume <n> <n> 0 ... -120	
Aud Mon	AUXiliaries:VOLTage<i> <nu> I = 1 2	
Config	SYSTem:CHNString 'String' String: 'Ch1;;Ch2;;Ch3;;Ch4;; ;;Ch8'	
Config	SYSTem:COMMunicate:GPIB:ADDRess <n> <n> = 0 ... 31	
Config	SYSTem:DISPlay:SCPIUpdate OFF ON	
Config	SYSTem:HELP:LANGuage ENGLish GERMan	
Config	SYSTem:MAXChdisp <n> <n> = 1 ... 8	
Config	SYSTem:PROFile:CLIPboard 'Filename'	
Config	SYSTem:PROFile:FILE 'Filename'	
Config	SYSTem:PROFile:PRINter 'Filename'	
Config	SYSTem:PROFile:SCREen 'Filename'	
Config	SYSTem:QLONG OFF ON	
Config	SYSTem:WINStyle OFF ON	
Diagnostic	DIAGnostic:PASSword "Password" The password is not disclosed here!	

	The query answer is 'Passwrk ok', not the actual password.	
Display	DISPlay:Subsys:COPIYother:CFG 'String' Not for subsystem WAVEform. This command is allowed only for the first window of a subsystem, otherwise error message. Valid keywords in 'String': SCAN Y-SOURCE Y-LABEL Y-UNIT REFERENCE Y-SCALE LIMIT X-SOURCE X-AXIS LEGEND STORE TRACE Example: "Y-UNIT,LIMIT,Y-LABEL,Y-SOURCE"	
Display	DISPlay:Subsys<i><i>:A B:BOTTom <nu>	
Display	DISPlay:Subsys<i><i>:A B:CHANnel CH1 CH2 CH3 CH4 CH5 CH6 CH7 CH8	
Display	DISPlay:Subsys<i><i>:A B:LABel:AUTO ON OFF	
Display	DISPlay:Subsys<i><i>:A B:LABel:USER 'string'	
Display	DISPlay:Subsys<i><i>:A B:LEGend:DESCRiption "String"	
Display	DISPlay:Subsys<i><i>:A B:LEGend:SHOW ON OFF	
Display	DISPlay:Subsys<i><i>:A B:LIMLower ON OFF	
Display	DISPlay:Subsys<i><i>:A B:LIMLower:SOURce VALue HOLD FILE IFILe	
Display	DISPlay:Subsys<i><i>:A B:LIMLower:SOURce:FILE 'filename'	
Display	DISPlay:Subsys<i><i>:A B:LIMLower:SOURce:VALue <nu>	
Display	DISPlay:Subsys<i><i>:A B:LIMShift ON OFF	

Display	DISPlay:Subsys<i></i>:A B:LIMShift:PARAllel <nu>	
Display	DISPlay:Subsys<i></i>:A B:LIMShift:SYMMetrical <nu>	
Display	DISPlay:Subsys<i></i>:A B:LIMUpper ON OFF	
Display	DISPlay:Subsys<i></i>:A B:LIMUpper:SOURce VALue HOLD FILE IFILe	
Display	DISPlay:Subsys<i></i>:A B:LIMUpper:SOURce:FILE 'filename'	
Display	DISPlay:Subsys<i></i>:A B:LIMUpper:SOURce:VALue <nu>	
Display	DISPlay:Subsys<i></i>:A B:MARKer:HARMonics ON OFF	
Display	DISPlay:Subsys<i></i>:A B:MARKer:MODE OFF FIXed TRKMax	
Display	DISPlay:Subsys<i></i>:A B:MARKer:SETTo:OCURsor ONCE or EXEC DISPlay:Subsys<i></i>:A B:MARKer:SETTo:XCURsor ONCE or EXEC ONCE or EXEC are not necessary No query	
Display	DISPlay:Subsys<i></i>:A B:MARKer:SETTo:XPOS <nu>	
Display	DISPlay:Subsys<i></i>:A B:NORMalize OFF VALue OCURsor XCURsor All subsystems except WAVeform	
Display	DISPlay:Subsys<i></i>:A B:NORMalize:VALue <nu> All subsystems except WAVeform	
Display	DISPlay:Subsys<i></i>:A B:REFerence MEASpanel VALue MAXimum XCURsor OCURsor REF997 REF1000 CH1Meas CH2Meas GENTrack FILE HOLD IFILe NOISedensity	

	DBNOisedensity MREFchannel	
Display	DISPlay:Subsys<i><i>:A B:REFerence:FILE 'filename'	
Display	DISPlay:Subsys<i><i>:A B:REFerence:VALue <nu>	
Display	DISPlay:Subsys<i><i>:A B:SPACing LINear LOGarithmic	
Display	DISPlay:Subsys<i><i>:A B:TOP <nu>	
Display	DISPlay:Subsys<i><i>:A B:UNIT V DBV DBU :	
Display	DISPlay:Subsys<i><i>:A B:UNIT:AUTO ON OFF	
Display	DISPlay:Subsys<i><i>:A B:UNIT:TRACK ON OFF	
Display	DISPlay:Subsys<i><i>:A B:UNIT:USER 'string'	
Display	DISPlay:Subsys<i><i>:A B:UPDate ALIVE HOLD	
Display	DISPlay:Subsys<i><i>:A B:YSOURCE SWEep 2-kanalig: OFF FUNC1 FUNC2 FREQ1 FREQ2 PHASe GROupdelay LMRM1 LMRM2 LMDC1 LMDC2 LMPK1 LMPK2 INPP1 INPP2 FILEA FILEB SWEep 8-kanalig: OFF FUNCTion FREQuency PHASe GROupdelay LMRMs LMDC LMPK INPPeak	

	<p>FILEA FILEB</p> <p>FFT 2-kanalig: OFF FFTL1 FFTL2 FFTP1 FFTP2 FILEA FILEB FFTP21</p> <p>FFT 8-kanalig: FFTLevel FFTPhase FFTRefchphase FILEA FILEB</p> <p>WAVeform 2-kanalig: OFF LEV1 LEV2 FILEA FILEB</p> <p>WAVeform 8-kanalig: OFF LEVel FILEA FILEB</p> <p>BARGraph 2-kanalig: OFF FUNC1 FUNC2 FILEA FILEB</p> <p>BARGraph 8-kanalig: OFF FUNCtion FILEA FILEB</p> <p>PESQ and PESQ OFF PEMO DELay REFSignal DEGSignal DROPOuts FILEA FILEB</p> <p>Impulse Response OFF LEV1 FILEA</p>	
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	FILEB	
Display	DISPlay:Subsys<i></i>:A B:YSource:FILE 'filename'	
Display	DISPlay:Subsys<i></i>:DLISt:FILTer ALL LIMUpper LIMLower LIMBoth HARMonics PEAKs	
Display	DISPlay:Subsys<i></i>:MCHMode ON OFF Subsys = SWEep or FFT or WAV or BARG	
Display	DISPlay:Subsys<i></i>:MINMax ON OFF Subsys = SWEep or FFT or BARGraph	
Display	DISPlay:Subsys<i></i>:OCURsor:MODE VA VB VAB HA HB	
Display	DISPlay:Subsys<i></i>:OCURsor:POSMode PIXel POINT PEAK HARMonic	
Display	DISPlay:Subsys<i></i>:OCURsor:SETTo:MAX ONCE or EXEC DISPlay:Subsys<i></i>:XCURsor:SETTo:MAX ONCE or EXEC ONCE or EXEC are not necessary No query	
Display	DISPlay:Subsys<i></i>:OCURsor:SETTo:MIN ONCE or EXEC DISPlay:Subsys<i></i>:XCURsor:SETTo:MIN ONCE or EXEC ONCE or EXEC are not necessary No query	
Display	DISPlay:Subsys<i></i>:OCURsor:SETTo:MRKA ONCE or EXEC DISPlay:Subsys<i></i>:XCURsor:SETTo:MRKA ONCE or EXEC ONCE or EXEC are not necessary No query	

Display	DISPlay:Subsys<i></i>:OCURsor:SETTo:MRKB ONCE or EXEC DISPlay:Subsys<i></i>:XCURsor:SETTo:MRKB ONCE or EXEC ONCE or EXEC are not necessary No query	
Display	DISPlay:Subsys<i></i>:OCURsor:SETTo:XPOS <nu>	
Display	DISPlay:Subsys<i></i>:OCURsor:SETTo:YPOS <nu> Nur für horizontale Cursor	
Display	DISPlay:Subsys<i></i>:OCURsor:STATe OFF ACTive INACTive	
Display	DISPlay:Subsys<i></i>:OCURsor:Y? Query only	
Display	DISPlay:Subsys<i></i>:SCANoffset <n> <i> = 1, 2, 3, 4 <n> = -19 -18 : 0 1 (MIN) 2 (MAX) Query and command logging show the numerical value 2 for MAX and 1 for MIN	
Display	DISPlay:Subsys<i></i>:TITLe:DESCRiption "String"	
Display	DISPlay:Subsys<i></i>:TITLe:SHOw ON OFF	
Display	DISPlay:Subsys<i></i>:TRACk:LIMit ON OFF	
Display	DISPlay:Subsys<i></i>:TRACk:REFerence ON OFF	
Display	DISPlay:Subsys<i></i>:TRACk:SCALing ON OFF	
Display	DISPlay:Subsys<i></i>:X:LABel:AUTO ON OFF	
Display	DISPlay:Subsys<i></i>:X:LABel:USER 'string'	
Display	DISPlay:Subsys<i></i>:X:LEFT <nu>	
Display	DISPlay:Subsys<i></i>:X:REFerence:VALue <nu>	
Display	DISPlay:Subsys<i></i>:X:RIGHt <nu>	
Display	DISPlay:Subsys<i></i>:X:SCALing AUTo or AUTO	

	MANual	
Display	DISPlay:Subsys<i><i>:X:SPACing LINear LOGarithmic	
Display	DISPlay:Subsys<i><i>:X:UNIT HZ DHZ :	
Display	DISPlay:Subsys<i><i>:X:UNIT:AUTO ON OFF	
Display	DISPlay:Subsys<i><i>:X:UNIT:USER 'string'	
Display	DISPlay:Subsys<i><i>:XCURsor:MODE VA VB VAB HA HB	
Display	DISPlay:Subsys<i><i>:XCURsor:POSMode PIXel POINt PEAK HARMonic	
Display	DISPlay:Subsys<i><i>:XCURsor:SETTo:XPOS <nu>	
Display	DISPlay:Subsys<i><i>:XCURsor:SETTO:YPOS <nu> Horizontal cursor only	
Display	DISPlay:Subsys<i><i>:XCURsor:STATe OFF ACTive INACTive	
Display	DISPlay:Subsys<i><i>:XCURsor:Y? Query only	
Display	DISPlay:SWEep<i><i>:HISTory <n> <n> = 2 ... 20 Subsystem SWEep only	
Display	DISPlay:SWEep<i><i>:SMODE SINGlescan MULTiscan Subsystem SWEep only	
Display	DISPlay:SWEep<i><i>:X:AXIS TIME VOLTage FREQuency PHASe VDIGital	
Display	DISPlay:SWEep<i><i>:X:SOURce SWEep	

	HOLD MANual LRMS LDC LPEak FREQUency	
Display	MMEMory:Subsys<i>:LIMit:OFFSet:VALue <nu>	
Display	SENSe:CONFig:COPIYother ONCE or EXEC ONCE or EXEC are not necessary	
Display	SENSe2:CONFig:COPIYother ONCE or EXEC ONCE or EXEC are not necessary	
Display	SENSe6:CONFig:COPIYother ONCE or EXEC ONCE or EXEC are not necessary	
Filter	SENSe:UFILter<i> HPASs LPASs BPASs BSTOp BSTop NOTCh TOCTave OCTave FILE <i> = 1 ... 9	
Filter	SENSe:UFILter<i>:ATTenuation <nu> <i> = 1 ... 9	
Filter	SENSe:UFILter<i>:CENTer <nu> <i> = 1 ... 9	
Filter	SENSe:UFILter<i>:DELay <nu> <i> = 1 ... 9	
Filter	SENSe:UFILter<i>:FNAMe 'filename' <i> = 1 ... 9	
Filter	SENSe:UFILter<i>:ORDer N4 N8 <i> = 1 ... 9	
Filter	SENSe:UFILter<i>:PASSb <nu> <i> = 1 ... 9	
Filter	SENSe:UFILter<i>:PASSb:LOWer <nu> <i> = 1 ... 9	
Filter	SENSe:UFILter<i>:PASSb:UPPer <nu> <i> = 1 ... 9	
Filter	SENSe:UFILter<i>:STOPb:LOWer? <i> = 1 ... 9	

	Query only!	
Filter	SENSE:UFILter<i>:STOPb:UPPer? <i> = 1 ... 9 Query only!	
Filter	SENSE:UFILter<i>:STOPb? <i> = 1 ... 9 Query only!	
Filter	SENSE:UFILter<i>:WIDTh <nu> <i> = 1 ... 9	
Gen Config	INSTRument Alias INSTRument:SElect ANLG or A25 DIG or D48 I2Sboard or I2S HDMI Alias INSTRument:NSElect 1 2 3 4 1 = ANLG 2 or 3 = DIG 4 = I2Sboard 11 = HDMI	(new)
Gen Config	OUTPut ON OFF	
Gen Config	OUTPut:AUDiobits <n>	
Gen Config	OUTPut:BANDwidth:MODE B22 B40 B80 AUTO or AUTO	
Gen Config	OUTPut:BCLK:FREQuency? Query only	
Gen Config	OUTPut:CHANnel OFF CH1 CH2 CH2Is1 MULTi	
Gen Config	OUTPut:FBIT MSB LSB	
Gen Config	OUTPut:FORMat SI2S USERdefined	
Gen Config	OUTPut:FSHape SQUpuls BITPulse	

Gen Config	OUTPut:FSYNc:FREQuency? Query only	
Gen Config	OUTPut:IMPedance R25 R600 Only for devices greater serial number 120100, 140100, 180100	
Gen Config	OUTPut:IMPedance:UNBalanced? Query Only Answer always 25 Ohm	
Gen Config	OUTPut:MCHannels<ch> ON OFF <ch> = 1 ... 8	
Gen Config	OUTPut:MCLKratio M64 M96 M128 M192 M256 M384 M512	
Gen Config	OUTPut:POLarity For OUTP:FPU SQU OUTPut:POLarity LFTLow LFTHigh For OUTP:FPU BITP OUTPut:POLarity NEGative POSitive	
Gen Config	OUTPut:SAMPlE:FREQuency <nu>	
Gen Config	OUTPut:SAMPlE:MODE For generator instrument DIGITAL: F32 F44 F48 F88 F96 F176 F192 SYNChron VALue For generator instrument I2SBOARD: F08 F11 F16 F22 F32	

	F44 F48 F88 F96 F176 F192 F384 VALue	
Gen Config	OUTPut:SIGNal:BALanced:LEVel <nu>	
Gen Config	OUTPut:SIGNal:LEVel <nu>	
Gen Config	OUTPut:TYPE BALanced UNBalanced	
Gen Config	OUTPut:WLENgth W16 W24 W32	
Gen Config	OUTPut:WOffset <n> If (OUTPut:WRDLength == 16) <n> = -16 ... 15 If (OUTPut:WRDLength == 24) <n> = -24 ... 23 If (OUTPut:WRDLength == 32) <n> = -32 ... 31	
Gen Config	SENSe:HDMI:VIDeo:COLor:DEPTh D08 D10 D12	(new)
Gen Config	SOURce:FREQUency:REFErence <nu> Grundeinheit: Hz	
Gen Config	SOURce:HDMI:AUDio:FORMat PCM2ch PCM8ch DBD DBDP DBTHd DTS DTSHd DTSMaster	(new)
Gen Config	SOURce:HDMI:AUDio:INFOframe:STRing <String>	(new)
Gen Config	SOURce:HDMI:AVI:STRing <String>	(new)
Gen Config	SOURce:HDMI:CEC:STRing <String>	(new)
Gen Config	SOURce:HDMI:EEDid:STRing <String>	(new)
Gen Config	SOURce:HDMI:HDCP ON OFF	(new)
Gen Config	SOURce:HDMI:SARC LOOPback DAGen	(new)
Gen Config	SOURce:HDMI:SPD:STRing <String>	(new)
Gen Config	SOURce:HDMI:VIDeo:COLor:DEPTh D08 D10 D12	(new)

Gen Config	SOURce:HDmI:VIDeo:COLor:STRing <String>	(new)
Gen Config	SOURce:HDmI:VIDeo:CONTent MONochrom LIPSync BERT PATTern	(new)
Gen Config	SOURce:HDmI:VIDeo:CONTent:STRing <String>	(new)
Gen Config	SOURce:HDmI:VIDeo:FORMat <string>	(new)
Gen Config	SOURce:HDmI:VIDeo:FREQUency HZ23 HZ24 HZ25 HZ29 HZ30 HZ50 HZ59 HZ60 HZ100 HZ119 HZ120	(new)
Gen Config	SOURce:HDmI:VIDeo:RESolution P640x480_4x3 P720x576_4x3 P720x576_16x9 I720x576_4x3 I720x576_16x9 P720x480_4x3 P720x480_16x9 I720x480_4x3 I720x480_16x9 P1280x720_16x9 P1920x1080_16x9 I1920x1080_16x9	(new)
Gen Config	SOURce:HDmI:VIDeo:SOURce INTern AXINput	(new)
Gen Config	SOURce:SYNC:INPut BALanced UNBalanced	
Gen Config	SOURce:SYNC:TERMination R75 RHIGH	
Gen Config	SOURce:SYNC:TO For generator instrument Digital Audio: INTClock or GClock AINPut EDARs ECLK EICLk For generator instrument I2S Board: INTern EXTMasterclock EXTWordclock For HDMI:	(new)

	HINTern HAUXinput	
Gen Config	SOURce:VOLTage:MAXimum <nu>	
Gen Config	SOURce:VOLTage:RANGe AUTO FIX	
Gen Config	SOURce:VOLTage:REFerence <nu>	
Gen Funct	MMEMory:LOAD:ARBitrary 'filename'	
Gen Funct	MMEMory:LOAD:DWELI 'filename'	
Gen Funct	MMEMory:LOAD:FREQUency 'file'	
Gen Funct	MMEMory:LOAD:MCHannel<ch>:SINE:ARBitrary 'filename'	
Gen Funct	MMEMory:LOAD:MCHannel<ch>:SINE:EQUalize 'filename'	
Gen Funct	MMEMory:LOAD:OEQualize 'filename'	
Gen Funct	MMEMory:LOAD:PHASe 'filename'	
Gen Funct	MMEMory:LOAD:STEReo2:OEQualize 'filename'	
Gen Funct	MMEMory:LOAD:VOLTage 'filename'	
Gen Funct	SOURce:ACHSine:FREQUency <nu>	
Gen Funct	SOURce:ACHSine:STATe ON OFF	
Gen Funct	SOURce:ACHSine:VOLTage <nu>	
Gen Funct	SOURce:FILTer OFF UFIL1 UFIL2 UFIL3 UFIL4 UFIL5 UFIL6 UFIL7 UFIL8 UFIL9 AWE CARM CCIU CCIR CCIT CMES DCN DEMP17 DEMP5015 DEMP50 DEMP75 IECT JITT URUM WRUM PEMP17 PEMP5015 PEMP50 PEMP75	

	HP22 HP400 LP22 LP30 LP80 AES17 CWE	
Gen Funct	SOURce:FILTer:CHANnels TRACk SPLit	
Gen Funct	SOURce:FREQuency <nu>	
Gen Funct	SOURce:FREQuency:CH2Stereo <nu>	
Gen Funct	SOURce:FREQuency:DIFFerence <nu>	
Gen Funct	SOURce:FREQuency:MEAN <nu>	
Gen Funct	SOURce:FREQuency:SELEct FQPH FQFQ	
Gen Funct	SOURce:FREQuency<i> <nu> <i> = 3 ... 32	
Gen Funct	SOURce:FREQuency2 <nu>	
Gen Funct	SOURce:FUNction SINusoid STEReo MULTisine BURSt MDISt DFD RANDom ARBitrary POLarity DC SQUare PLAY UNIVersal LIPSync	(new)
Gen Funct	SOURce:FUNction:MODE For Multisinus: EQUalvoltage DEFinedvoltage For DFD: IEC268 IEC118	
Gen Funct	SOURce:LIPSync:PATtern:AUDioactive:COLor:STRing <string> <string> z.B. '(255,255,255)'	(new)
Gen Funct	SOURce:LIPSync:PATtern:MUTE:COLor:STRing <string> <string> z.B. '(255,255,255)'	(new)
Gen Funct	SOURce:MCHannel<ch>:ACHSine:STATe ON OFF	

Gen Funct	SOURce:MCChannel<ch>:FILTer OFF :	
Gen Funct	SOURce:MCChannel<ch>:GAIN <nu>	
Gen Funct	SOURce:MCChannel<ch>:LIMittofs <nu>	
Gen Funct	SOURce:MCChannel<ch>:SINE:ARBitrary:STATe ON OFF	
Gen Funct	SOURce:MCChannel<ch>:SINE:ARBitrary:VOLTage <nu>	
Gen Funct	SOURce:MCChannel<ch>:SINE:EQUalize:STATe ON OFF	
Gen Funct	SOURce:MCChannel<ch>:SINE:FREQUency <nu>	
Gen Funct	SOURce:MCChannel<ch>:SINE:OFFset:STATe ON OFF	
Gen Funct	SOURce:MCChannel<ch>:SINE:OFFset:VOLTage <nu>	
Gen Funct	SOURce:MCChannel<ch>:SINE:PHASe <nu>	
Gen Funct	SOURce:MCChannel<ch>:SINE:STATe ON OFF	
Gen Funct	SOURce:MCChannel<ch>:SINE:VOLTage <nu>	
Gen Funct	SOURce:MCChannel<ch>:TOTal:GAIN <nu>	
Gen Funct	SOURce:MULTisine:COUNT <n>	
Gen Funct	SOURce:ONTime <nu>	
Gen Funct	SOURce:ONTime:DELAy <nu>	
Gen Funct	SOURce:PHASe<i> <nu> <i> = 1 ... 32 <nu> = 0 ... 360 °	
Gen Funct	SOURce:PLAY:CHANnel MLEft MRIGHt STEReo	
Gen Funct	SOURce:PLAY:MODE TOCont TOSingle TICont TISingle	
Gen Funct	SOURce:PLAY:REStart OFF AUTO ONCE ONCE is a single action, so the query answer depends of the previous state and is always OFF or AUTO.	
Gen Funct	SOURce:PLAY:SCALepktofs ON OFF	

Gen Funct	SOURce:PLAY:TIME <nu>	
Gen Funct	SOURce:RANDom:FREQUency:LOWer <nu>	
Gen Funct	SOURce:RANDom:FREQUency:UPPer <nu>	
Gen Funct	SOURce:RANDom:SHAPE WHITE PINK TOCTave FILE or ARBitrary	
Gen Funct	SOURce:RANDom:SPACing:FREQUency <nu>	
Gen Funct	SOURce:RANDom:SPACing:MODE ATRack USERdefined	
Gen Funct	SOURce:SCHSettings:CHANnel <n>	
Gen Funct	SOURce:SCHSettings:TTOChannels ON OFF	
Gen Funct	SOURce:SINusoid:DITHer <nu>	
Gen Funct	SOURce:SINusoid:DITHer:STATe ON OFF	
Gen Funct	SOURce:STEReo2:FILTer OFF UFIL1 : CWE	
Gen Funct	SOURce:SWEep:CONTRol OFF ASWeep ALISt	
Gen Funct	SOURce:SWEep:DWELI <nu> 10 ms ... 1000 s	
Gen Funct	SOURce:SWEep:FREQUency:HALT START VALue MUTE	
Gen Funct	SOURce:SWEep:FREQUency:HALT:VALue <nu>	
Gen Funct	SOURce:SWEep:FREQUency:POINts <n>	
Gen Funct	SOURce:SWEep:FREQUency:SPACing LINSteps LOGSteps LINPoints LOGPoints	
Gen Funct	SOURce:SWEep:FREQUency:STARt <nu>	
Gen Funct	SOURce:SWEep:FREQUency:STEP <nu>	
Gen Funct	SOURce:SWEep:FREQUency:STOP <nu>	
Gen Funct	SOURce:SWEep:NEXtstep DWELI ASYNc LIST	

Gen Funct	SOURce:SWEEp:PHASe:HALT START VALue MUTE	
Gen Funct	SOURce:SWEEp:PHASe:HALT:VALue <nu>	
Gen Funct	SOURce:SWEEp:PHASe:POINts <n>	
Gen Funct	SOURce:SWEEp:PHASe:SPACing LINSteps LOGSteps LINPoints LOGPoints	
Gen Funct	SOURce:SWEEp:PHASe:STARt <nu>	
Gen Funct	SOURce:SWEEp:PHASe:STEP <nu>	
Gen Funct	SOURce:SWEEp:PHASe:STOP <nu>	
Gen Funct	SOURce:SWEEp:VOLTagE:HALT START VALue MUTE	
Gen Funct	SOURce:SWEEp:VOLTagE:HALT:VALue <nu>	
Gen Funct	SOURce:SWEEp:VOLTagE:POINts <n>	
Gen Funct	SOURce:SWEEp:VOLTagE:SPACing LINSteps LOGSteps LINPoints LOGPoints	
Gen Funct	SOURce:SWEEp:VOLTagE:STARt <nu>	
Gen Funct	SOURce:SWEEp:VOLTagE:STEP <nu>	
Gen Funct	SOURce:SWEEp:VOLTagE:STOP <nu>	
Gen Funct	SOURce:SWEEp:XAXis FREQuency VOLTagE PHASe	
Gen Funct	SOURce:SWEEp:ZAXis OFF FREQuency VOLTagE	
Gen Funct	SOURce:VOLTagE <nu>	
Gen Funct	SOURce:VOLTagE:CH2Stereo <nu>	
Gen Funct	SOURce:VOLTagE:CREStfactor:MODE MINimized DPHase	
Gen Funct	SOURce:VOLTagE:EQUalize Alias SOURce:VOLTagE:STEReo1:EQUalize ON OFF	
Gen Funct	SOURce:VOLTagE:EQUalize:CHANnels TRACk	

	SPLit	
Gen Funct	SOURce:VOLTage:OFFSet:CHANnels TRACK SPLit	
Gen Funct	SOURce:VOLTage:OFFSet:STATe ON OFF CH1And2 (nur für Stereo Sinus)	
Gen Funct	SOURce:VOLTage:OFFSet<ch> <nu>	
Gen Funct	SOURce:VOLTage:RATio <n>	
Gen Funct	SOURce:VOLTage:SELEct VLRT VLVL	
Gen Funct	SOURce:VOLTage:STEReo2:EQUalize ON OFF	
Gen Funct	SOURce:VOLTage:TOTal <nu>	
Gen Funct	SOURce:VOLTage:TOTal:GAIN <nu>	
Gen Funct	SOURce:VOLTage<i> <nu> <i> = 3 ... 32	
Gen Funct	SOURce:VOLTage<i>:RMS <nu>	
Gen Funct	SOURce:VOLTage2 <nu>	
Gen Proto	SOURce:PROTOcol:AZERo ONCE or EXEC ONCE or EXEC are not necessary Query answer always OFF	
Gen Proto	SOURce:PROTOcol:CH<x>:BYTE<y> <n> <x> and <y> are suffixes <x> = CHannel 1 or 2 <y> = Byte 0 ... 4 <n> = Value 0 ... 255	(new)
Gen Proto	SOURce:PROTOcol:CRC ON OFF	
Gen Proto	SOURce:PROTOcol:FILE 'filename'	
Gen Proto	SOURce:PROTOcol:MODE AUTomatic or AUTOMATIC PROFessional CONSUMER FILE	
Gen Proto	SOURce:PROTOcol:NUMerical:BYTe <n> <n> = 0 ... 4	
Gen Proto	SOURce:PROTOcol:NUMerical:VALue <n> <n> = 0 ... 255	
Gen Proto	SOURce:PROTOcol:VALidity	

	NONE CH1And2	
Hardcopy	HCOPy:[IMMEDIATE] No query	
Hardcopy	HCOPy:DESTINATION PRINter or PRPCx or PRSPc FILE CLIPboard	
Hardcopy	HCOPy:FILE 'name'	
Hardcopy	HCOPy:FILE:MODE NEW OVERwrite INCRement	
Hardcopy	HCOPy:GSIZe ""String" "String" z.B. 800x600	
Hardcopy	HCOPy:PRINter:ADDition OFF ON	
Hardcopy	HCOPy:PRINter:FOOTer 'text'	
Hardcopy	HCOPy:PRINter:HEADer 'text'	
Hardcopy	HCOPy:PRINter:ORientation PORTrait LANDscape	
Hardcopy	HCOPy:SOURce WINDow GRAPhics	
Load Setup	MMEMory:LOAD:STATe "filename"	
Load Trc	FORMat REAL ASCii	
Load Trc	TRACe:Subsys<i>:LDList:AX? TRACe:Subsys<i>:LDList:AY? TRACe:Subsys<i>:LDList:BX? TRACe:Subsys<i>:LDList:BY? Query only	
Load Trc	TRACe:Subsys<i>:LDList:COUNT:AX? TRACe:Subsys<i>:LDList:COUNT:AY? TRACe:Subsys<i>:LDList:COUNT:BX? TRACe:Subsys<i>:LDList:COUNT:BY? Query only	
Load Trc	TRACe:Subsys<i>:LOAD:AX? TRACe:Subsys<i>:LOAD:AY? TRACe:Subsys<i>:LOAD:BX? TRACe:Subsys<i>:LOAD:BY? Query only	
Load Trc	TRACe:Subsys<i>:LOAD:COUNT:AX?	

	TRACe:Subsys<i>:LOAD:COUNT:AY? TRACe:Subsys<i>:LOAD:COUNT:BX? TRACe:Subsys<i>:LOAD:COUNT:BY? Query only	
Special	DATA:Subsys:COUNT:X? DATA:Subsys:COUNT:Y<ch>? Query Only: <ch> = 1 ... 16 Subsys = SWEep or BARGraph or FFT Subsys without window specification!	
Special	DATA:Subsys:X? DATA:Subsys:Y<ch>? Query Only: <ch> = 1 ... 16 Subsys = SWEep or BARGraph or FFT Subsys without window specification!	
Special	INITiate No query	
Special	INITiate:CONTInuous ON OFF WAIT RSTart	
Special	INITiate:CONTInuous:TIMEout <nu> <nu> 0 ... 1000s 0s is the same as INIT:CONT ON	
Special	INITiate:FORCe START STOP SINGle CONTInuous Alias ABORt is the same as SCPI command INITiate:FORCe STOP No query	
Special	OUTPut ON OFF	
Special	STATus:OPERation? Alias STATus:OPERation:EVENT? STATus:OPERation:CONDition? STATus:OPERation:ENABLE <n> STATus:OPERation:PTRansition <n> STATus:OPERation:NTRansition <n> STATus:QUEStionable?	

	<p>Alias STATus:QUEStionable:EVENT?</p> <p>STATus:QUEStionable:CONDition? STATus:QUEStionable:ENABle <n> STATus:QUEStionable:PTRansition <n> STATus:QUEStionable:NTRansition <n></p> <p>STATus:XQUEStionabl? Alias STATus:XQUEStionabl:EVENT?</p> <p>STATus:XQUEStionabl:CONDition? STATus:XQUEStionabl:ENABle <n> STATus:XQUEStionabl:PTRansition <n> STATus:XQUEStionabl:NTRansition <n></p> <p>STATus:QUEStionable:MEASuring? Alias STATus:QUEStionable:MEASuring:EVENT?</p> <p>STATus:QUEStionable:MEASuring:CONDition? STATus:QUEStionable:MEASuring:ENABle <n> STATus:QUEStionable:MEASuring:PTRansition <n> STATus:QUEStionable:MEASuring:NTRansition <n></p> <p>STATus:QUEStionable:OVERrange? Alias STATus:QUEStionable:OVERrange:EVENT?</p> <p>STATus:QUEStionable:OVERrange:CONDition? STATus:QUEStionable:OVERrange:ENABle <n> STATus:QUEStionable:OVERrange:PTRansition <n> STATus:QUEStionable:OVERrange:NTRansition <n></p> <p>STATus:QUEStionable:UNDerrange? Alias STATus:QUEStionable:UNDerrange:EVENT?</p> <p>STATus:QUEStionable:UNDerrange:CONDition? STATus:QUEStionable:UNDerrange:ENABle <n> STATus:QUEStionable:UNDerrange:PTRansition <n> STATus:QUEStionable:UNDerrange:NTRansition <n></p> <p>UNDerrange Alias UNDERrange <n> = Unsigned Integer 0 ... 65535</p>	
Special	STATus:PRESet	
Special	STATus:QUEue[:NEXT]?	
Special	SYSTem:DISPlay:EXPLAnation<i>:HIDE <i> = 1...10 No query	
Special	SYSTem:DISPlay:EXPLAnation<i>:SHOW 'String' String = 'x=0,y=10,w=200,h=100'	

	<p><i> = 1...10</p> <p>No query</p>	
Special	<p>SYSTem:DISPlay:EXPLAnation<i>:TEXT “<RTF-Text>”</p> <p><i> = 1...10</p> <p>No query</p>	
Special	<p>SYSTem:MEMory:DATA<i> <n,n,n,...,n> or SYSTem:MEMory:DATA<i> #<LengthofLength><Length><Binary data as float></p> <p><i> = 1 ... 16</p>	
Special	<p>SYSTem:MEMory:FREE STRing DATA</p> <p>No query</p>	
Special	<p>SYSTem:MEMory:STRing<i> 'String'</p> <p><i> = 1 ... 1024</p> <p>Stringlength max. 540 Byte</p>	
Special	<p>SYSTem:PROGramm:EXECute 'xxx.exe'</p>	
Special	<p>SYSTem:SHUtdown SYSTem:SHUtdown <nu></p> <p>No query</p>	
Special	<p>SYSTem:SINFo 'String'</p>	
Special	<p>SYSTem:SINFo:MAC?</p>	
Special	<p>SYSTem:VERSIon?</p> <p>Query only Answer alway 1999.0</p>	
Store Setup	<p>MMEMory:STORe:STATe "filename"</p>	
Store Trc	<p>MMEMory:Subsys<i>:EQUalization:INVert ON OFF</p> <p>Subsys = SWEep or FFT</p>	
Store Trc	<p>MMEMory:Subsys<i>:EQUalization:MODify ON OFF</p>	
Store Trc	<p>MMEMory:Subsys<i>:EQUalization:NORMfrequency <nu></p>	
Store Trc	<p>MMEMory:Subsys<i>:LIMit:OFFSet OFF ON</p>	
Store Trc	<p>MMEMory:Subsys<i>:STAS TRCList EQUList</p>	

	SWPList LLIST DSElect	
Store Trc	MMEemory: <i>Subsys</i> <i>:STORE "filename.trc"	
Store Trc	MMEemory: <i>Subsys</i> <i>:TRACe A B	
Store Trc	TRACe:SWE<i>:STORE:AX <n,n,n,n> TRACe: <i>Subsys</i> <i>:STORE:AY <n,n,n,n,n> TRACe:SWE<i>:STORE:BX <n,n,n,n,n> TRACe: <i>Subsys</i> <i>:STORE:BY <n,n,n,n,n> May be a set of ASCII data <n,n, ,n,n> or a set of binary data #<LengthofLength><Length><Binary data as float> AX and BX only for SWEep Subsystem! To manipulate a sweep axis, it is strictly recommended to set the X-Source to "Manual" No Query Query replacement is the command TRACe:<i>Subsys</i><i>:LOAD:AX AY BX BY?	
Switcher	SWITcher:COMPort COM3 COM4 COM5 COM6 AUTO	
Switcher	SWITcher:INPA <n>	
Switcher	SWITcher:INPB <n>	
Switcher	SWITcher:OFFSet:BVSA <n>	
Switcher	SWITcher:OFFSet:OVSI <n>	
Switcher	SWITcher:OUTA <n>	
Switcher	SWITcher:OUTB <n>	
Switcher	SWITcher:STATE ON OFF	
Switcher	SWITcher:TRACking OFF BVSA or CH2V OVSI or OVI ALL	

Alphabetical sorted List of Remote Control Commands

Group	Command-Mnemonic	New
Anl Config	ARM:FREQuency:START <nu>	
Anl Config	ARM:FREQuency:STOP <nu>	
Anl Config	ARM:LEVel:MIN <nu>	

Anl Config	ARM:VOLTage:START <nu>	
Anl Config	ARM:VOLTage:STOP <nu>	
Aud Mon	AUXiliaries:AUDMonitor ON OFF	
Aud Mon	AUXiliaries:SPEaker:MONitor<i> OFF CH1 CH2 : Ch8 I = 1 2	
Aud Mon	AUXiliaries:SPEaker:SOURce INPut FUNction DC	
Aud Mon	AUXiliaries:SPEaker:VOLume <n> <n> 0 ... -120	
Aud Mon	AUXiliaries:VOLTage<i> <nu> I = 1 2	
Special	DATA:Subsys:COUNt:X? DATA:Subsys:COUNt:Y<ch>? Query Only: <ch> = 1 ... 16 Subsys = SWEep or BARGraph or FFT Subsys without window specification!	
Special	DATA:Subsys:X? DATA:Subsys:Y<ch>? Query Only: <ch> = 1 ... 16 Subsys = SWEep or BARGraph or FFT Subsys without window specification!	
Adjust	DIAGnostic:ADJustment AAGEn or CAGEn AANLr0 or CANLr0 ADGEn	
Adjust	DIAGnostic:ADJustment:ADDRes <n>	
Adjust	DIAGnostic:ADJustment:FDATa <n>	
Diagnostic	DIAGnostic:PASSword "Password" The password is not disclosed here! The query answer is 'Passwrđ ok', not the actual password.	
Display	DISPlay:Subsys:COPIYother:CFG 'String' Not for subsystem WAVEform. This command is allowed only for the first window of a subsystem, otherwise error message.	

	Valid keywords in 'String': SCAN Y-SOURCE Y-LABEL Y-UNIT REFERENCE Y-SCALE LIMIT X-SOURCE X-AXIS LEGEND STORE TRACE Example: "Y-UNIT,LIMIT,Y-LABEL,Y-SOURCE"	
Display	DISPlay:Subsys<i>:A B:BOTTom <nu>	
Display	DISPlay:Subsys<i>:A B:CHANnel CH1 CH2 CH3 CH4 CH5 CH6 CH7 CH8	
Display	DISPlay:Subsys<i>:A B:LABEL:AUTO ON OFF	
Display	DISPlay:Subsys<i>:A B:LABEL:USER 'string'	
Display	DISPlay:Subsys<i>:A B:LEGend:DESCRiption "String"	
Display	DISPlay:Subsys<i>:A B:LEGend:SHOW ON OFF	
Display	DISPlay:Subsys<i>:A B:LIMLower ON OFF	
Display	DISPlay:Subsys<i>:A B:LIMLower:SOURce VALue HOLD FILE IFILe	
Display	DISPlay:Subsys<i>:A B:LIMLower:SOURce:FILE 'filename'	
Display	DISPlay:Subsys<i>:A B:LIMLower:SOURce:VALue <nu>	
Display	DISPlay:Subsys<i>:A B:LIMShift ON OFF	
Display	DISPlay:Subsys<i>:A B:LIMShift:PARAllel <nu>	
Display	DISPlay:Subsys<i>:A B:LIMShift:SYMMetrical <nu>	
Display	DISPlay:Subsys<i>:A B:LIMUpper ON OFF	
Display	DISPlay:Subsys<i>:A B:LIMUpper:SOURce VALue	

	HOLD FILE IFILE	
Display	DISPlay:Subsys<i></i>:A B:LIMUpper:SOURce:FILE 'filename'	
Display	DISPlay:Subsys<i></i>:A B:LIMUpper:SOURce:VALue <nu>	
Display	DISPlay:Subsys<i></i>:A B:MARKer:HARMonics ON OFF	
Display	DISPlay:Subsys<i></i>:A B:MARKer:MODE OFF FIXed TRKMax	
Display	DISPlay:Subsys<i></i>:A B:MARKer:SETTo:OCURsor ONCE or EXEC DISPlay:Subsys<i></i>:A B:MARKer:SETTo:XCURsor ONCE or EXEC ONCE or EXEC are not necessary No query	
Display	DISPlay:Subsys<i></i>:A B:MARKer:SETTo:XPOS <nu>	
Display	DISPlay:Subsys<i></i>:A B:NORMalize OFF VALue OCURsor XCURsor All subsystems except WAVeform	
Display	DISPlay:Subsys<i></i>:A B:NORMalize:VALue <nu> All subsystems except WAVeform	
Display	DISPlay:Subsys<i></i>:A B:REFerence MEASpanel VALue MAXimum XCURsor OCURsor REF997 REF1000 CH1Meas CH2Meas GENTrack FILE HOLD IFILE NOISedensity DBNOisedensity MREFchannel	
Display	DISPlay:Subsys<i></i>:A B:REFerence:FILE 'filename'	
Display	DISPlay:Subsys<i></i>:A B:REFerence:VALue <nu>	
Display	DISPlay:Subsys<i></i>:A B:SPACing LINear LOGarithmic	

Display	DISPlay:Subsys<i></i>:A B:TOP <nu>	
Display	DISPlay:Subsys<i></i>:A B:UNIT V DBV DBU :	
Display	DISPlay:Subsys<i></i>:A B:UNIT:AUTO ON OFF	
Display	DISPlay:Subsys<i></i>:A B:UNIT:TRACK ON OFF	
Display	DISPlay:Subsys<i></i>:A B:UNIT:USER 'string'	
Display	DISPlay:Subsys<i></i>:A B:UPDate ALIVE HOLD	
Display	DISPlay:Subsys<i></i>:A B:YSource SWEEp 2-kanalig: OFF FUNC1 FUNC2 FREQ1 FREQ2 PHASe GROUpdelay LMRM1 LMRM2 LMDC1 LMDC2 LMPK1 LMPK2 INPP1 INPP2 FILEA FILEB SWEEp 8-kanalig: OFF FUNCTion FREQuency PHASe GROUpdelay LMRMs LMDC LMPK INPPeak FILEA FILEB FFT 2-kanalig: OFF FFTL1 FFTL2 FFTP1 FFTP2 FILEA	

	<p>FILEB FFTP21</p> <p>FFT 8-kanalig: FFTLevel FFTPhase FFTRefchphase FILEA FILEB</p> <p>WAVeform 2-kanalig: OFF LEV1 LEV2 FILEA FILEB</p> <p>WAVeform 8-kanalig: OFF LEVel FILEA FILEB</p> <p>BARGraph 2-kanalig: OFF FUNC1 FUNC2 FILEA FILEB</p> <p>BARGraph 8-kanalig: OFF FUNCTion FILEA FILEB</p> <p>PESQ and PESQ OFF PEMO DELay REFSignal DEGSignal DROPOuts FILEA FILEB</p> <p>Impulse Response OFF LEV1 FILEA FILEB</p>	
Display	DISPlay:Subsys<i></i>:A B:YSource:FILE 'filename'	
Display	DISPlay:Subsys<i></i>:DLIST:FILTER ALL LIMUpper LIMLower LIMBoth HARMonics PEAKs	

Display	DISPlay:Subsys<i><i>:MCHMode ON OFF Subsys = SWEep or FFT or WAV or BARG	
Display	DISPlay:Subsys<i><i>:MINMax ON OFF Subsys = SWEep or FFT or BARGraph	
Display	DISPlay:Subsys<i><i>:OCURsor:MODE VA VB VAB HA HB	
Display	DISPlay:Subsys<i><i>:OCURsor:POSMode PIXel POINT PEAK HARMonic	
Display	DISPlay:Subsys<i><i>:OCURsor:SETTo:MAX ONCE or EXEC DISPlay:Subsys<i><i>:XCURsor:SETTo:MAX ONCE or EXEC ONCE or EXEC are not necessary No query	
Display	DISPlay:Subsys<i><i>:OCURsor:SETTo:MIN ONCE or EXEC DISPlay:Subsys<i><i>:XCURsor:SETTo:MIN ONCE or EXEC ONCE or EXEC are not necessary No query	
Display	DISPlay:Subsys<i><i>:OCURsor:SETTo:MRKA ONCE or EXEC DISPlay:Subsys<i><i>:XCURsor:SETTo:MRKA ONCE or EXEC ONCE or EXEC are not necessary No query	
Display	DISPlay:Subsys<i><i>:OCURsor:SETTo:MRKB ONCE or EXEC DISPlay:Subsys<i><i>:XCURsor:SETTo:MRKB ONCE or EXEC ONCE or EXEC are not necessary No query	
Display	DISPlay:Subsys<i><i>:OCURsor:SETTo:XPOS <nu>	
Display	DISPlay:Subsys<i><i>:OCURsor:SETTo:YPOS <nu>	

	Nur für horizontale Cursor	
Display	DISPlay:Subsys<i><i>:OCURsor:STATe OFF ACTive INACTive	
Display	DISPlay:Subsys<i><i>:OCURsor:Y? Query only	
Display	DISPlay:Subsys<i><i>:SCANoffset <n> <i> = 1, 2, 3, 4 <n> = -19 -18 : 0 1 (MIN) 2 (MAX) Query and command logging show the numerical value 2 for MAX and 1 for MIN	
Display	DISPlay:Subsys<i><i>:TITLe:DESCRiption "String"	
Display	DISPlay:Subsys<i><i>:TITLe:SHOw ON OFF	
Display	DISPlay:Subsys<i><i>:TRACk:LIMit ON OFF	
Display	DISPlay:Subsys<i><i>:TRACk:REFerence ON OFF	
Display	DISPlay:Subsys<i><i>:TRACk:SCALing ON OFF	
Display	DISPlay:Subsys<i><i>:X:LABel:AUTO ON OFF	
Display	DISPlay:Subsys<i><i>:X:LABel:USER 'string'	
Display	DISPlay:Subsys<i><i>:X:LEFT <nu>	
Display	DISPlay:Subsys<i><i>:X:REFerence:VALue <nu>	
Display	DISPlay:Subsys<i><i>:X:RIGHT <nu>	
Display	DISPlay:Subsys<i><i>:X:SCALing AUTo or AUTO MANual	
Display	DISPlay:Subsys<i><i>:X:SPACing LINear LOGarithmic	
Display	DISPlay:Subsys<i><i>:X:UNIT HZ DHZ :	
Display	DISPlay:Subsys<i><i>:X:UNIT:AUTO ON	

	OFF	
Display	DISPlay:Subsys<i><i>:X:UNIT:USER 'string'	
Display	DISPlay:Subsys<i><i>:XCURsor:MODE VA VB VAB HA HB	
Display	DISPlay:Subsys<i><i>:XCURsor:POSMode PIXel POINT PEAK HARMonic	
Display	DISPlay:Subsys<i><i>:XCURsor:SETTo:XPOS <nu>	
Display	DISPlay:Subsys<i><i>:XCURsor:SETTO:YPOS <nu> Horizontal cursor only	
Display	DISPlay:Subsys<i><i>:XCURsor:STATE OFF ACTive INACTive	
Display	DISPlay:Subsys<i><i>:XCURsor:Y? Query only	
Display	DISPlay:SWEep<i><i>:HISTory <n> <n> = 2 ... 20 Subsystem SWEep only	
Display	DISPlay:SWEep<i><i>:SMODE SINGlescan MULTiscan Subsystem SWEep only	
Display	DISPlay:SWEep<i><i>:X:AXIS TIME VOLTage FREQuency PHASe VDIGital	
Display	DISPlay:SWEep<i><i>:X:SOURce SWEep HOLD MANual LRMS LDC LPEak FREQuency	
Load Trc	FORMat REAL ASCii	
Hardcopy	HCOPy:[IMMEDIATE]	

	No query	
Hardcopy	HCOPY:DESTination PRINter or PRPCx or PRSPc FILE CLIPboard	
Hardcopy	HCOPY:FILE 'name'	
Hardcopy	HCOPY:FILE:MODE NEW OVERwrite INCRement	
Hardcopy	HCOPY:GSIZe ""String" "String" z.B. 800x600	
Hardcopy	HCOPY:PRINter:ADDition OFF ON	
Hardcopy	HCOPY:PRINter:FOOTer 'text'	
Hardcopy	HCOPY:PRINter:HEADer 'text'	
Hardcopy	HCOPY:PRINter:ORlentation PORTRait LANDscape	
Hardcopy	HCOPY:SOURce WINDow GRAPhics	
Special	INITiate No query	
Special	INITiate:CONTInuous ON OFF WAIT RSTart	
Special	INITiate:CONTInuous:TIMEout <nu> <nu> 0 ... 1000s 0s is the same as INIT:CONT ON	
Special	INITiate:FORCe START STOP SINGle CONTInuous Alias ABORT is the same as SCPI command INITiate:FORCe STOP No query	
Anl Config	INPut:AUDIobits <n> n = 8 ... 24	
Anl Config	INPut:BANDwidth:MODE B22	

	B40 B80	
Anl Config	INPut:BCLK:FREQuency? Query only	
Anl Config	INPut:CHANnel CH1 CH2 BOTH MULTi	
Anl Config	INPut:COUPling:CHANnels TRACk SPLit	
Anl Config	INPut:FBIT MSB LSB	
Anl Config	INPut:FILTer OFF UFIL1...9 AWE CCIR CARM CCIU CCIT CMES DCN DEMP17 DEMP5015 DEMP50 DEMP75 IECT JITT PEMP17 PEMP5015 PEMP50 PEMP75 URUM WRUM HP22 HP400 LP22 LP30 LP80 AES17 CWE	
Anl Config	INPut:FORMat SI2S USERdefined	
Anl Config	INPut:FSLope LFTFalling LFTRising	
Anl Config	INPut:MCHannels<ch> ON OFF	

	Digital Instrument: <ch> = 1 ... 2 Analog Instrument: <ch> = 1 ... 8	
Anl Config	INPut:MIMPedance:CHANnels TRACk SPLit	
Anl Config	INPut:MIMPedance<ch> R200K R600 <ch> = 1 ... 8 Only for devices greater serial number 120100, 140100, 180100	
Anl Config	INPut:RANGe:CHANnels TRACk SPLit	
Anl Config	INPut:SAMPle:FREQuency <nu>	
Anl Config	INPut:SAMPle:FREQuency:MODE For analyzer instrument DIGITAL: AUTO or AUTO F32 F44 F48 F88 F96 F176 F192 VALue For analyzer instrument I2SBOARD: AUTO or AUTO F08 F11 F16 F22 F32 F44 F48 F88 F96 F176 F192 VALue	
Anl Config	INPut:WLENgth W16 W24 W32	
Anl Config	INPut:WOffset <n>	
Anl Config	INPut<ch>:COUPling AC DC <ch> = 1 ... 8	

Gen Config	<p>INSTRument Alias INSTRument:SElect ANLG or A25 DIG or D48 I2Sboard or I2S HDMI</p> <p>Alias INSTRument:NSElect 1 2 3 4 1 = ANLG 2 or 3 = DIG 4 = I2Sboard 11 = HDMI</p>	(new)
Anl Config	<p>INSTRument2 ANLG ist Alias zu A8CHannel DIG or D48 I2Sboard or I2S HDMI</p> <p>Alias INSTRument2:NSElect 1 2 3 4 8 1 ist Alias zu A8CHannel 2 or 3 = DIG 4 = I2Sboard 8 = A8Channel 11 = HDMI</p>	(new)
Gen Funct	MMEMory:LOAD:ARBitrary 'filename'	
Gen Funct	MMEMory:LOAD:DWELI 'filename'	
Gen Funct	MMEMory:LOAD:FREQUency 'file'	
Anl Funct	MMEMory:LOAD:FREQUency:SLCFrequency 'filename'	
Anl Funct	MMEMory:LOAD:IEQUALize 'filename'	
Gen Funct	MMEMory:LOAD:MCHannel<ch>:SINE:ARBitrary 'filename'	
Gen Funct	MMEMory:LOAD:MCHannel<ch>:SINE:EQUalize 'filename'	
Gen Funct	MMEMory:LOAD:OEQUALize 'filename'	
Gen Funct	MMEMory:LOAD:PHASe 'filename'	
Load Setup	MMEMory:LOAD:STATe "filename"	
Gen Funct	MMEMory:LOAD:STEReo2:OEQUALize 'filename'	
Gen Funct	MMEMory:LOAD:VOLTage 'filename'	
Store Setup	MMEMory:STORe:STATe "filename"	
Store Trc	<p>MMEMory:Subsys<i>:EQUalization:INVert ON OFF</p> <p>Subsys = SWEep or FFT</p>	
Store Trc	MMEMory:Subsys<i>:EQUalization:MODify ON OFF	
Store Trc	MMEMory:Subsys<i>:EQUalization:NORMfrequency <nu>	

Store Trc	MMEMemory:Subsys<i>:LIMit:OFFSet OFF ON	
Display	MMEMemory:Subsys<i>:LIMit:OFFSet:VALue <nu>	
Store Trc	MMEMemory:Subsys<i>:STAS TRCList EQUList SWPList LLISt DSElect	
Store Trc	MMEMemory:Subsys<i>:STORE "filename.trc"	
Store Trc	MMEMemory:Subsys<i>:TRACe A B	
Gen Config	OUTPut ON OFF	
Special	OUTPut ON OFF	
Gen Config	OUTPut:AUDIobits <n>	
Gen Config	OUTPut:BANDwidth:MODE B22 B40 B80 AUTO or AUTO	
Gen Config	OUTPut:BCLK:FREQuency? Query only	
Gen Config	OUTPut:CHANnel OFF CH1 CH2 CH2Is1 MULTi	
Gen Config	OUTPut:FBIT MSB LSB	
Gen Config	OUTPut:FORMat SI2S USERdefined	
Gen Config	OUTPut:FSHape SQUpuls BITPulse	
Gen Config	OUTPut:FSYNc:FREQuency? Query only	
Gen Config	OUTPut:IMPedance R25 R600 Only for devices greater serial number 120100, 140100, 180100	

Gen Config	OUTPut:IMPedance:UNBalanced? Query Only Answer always 25 Ohm	
Gen Config	OUTPut:MCHannels<ch> ON OFF <ch> = 1 ... 8	
Gen Config	OUTPut:MCLKratio M64 M96 M128 M192 M256 M384 M512	
Gen Config	OUTPut:POLarity For OUTP:FPU SQU OUTPut:POLarity LFTLow LFTHigh For OUTP:FPU BITP OUTPut:POLarity NEGative POSitive	
Gen Config	OUTPut:SAMPlE:FREQUency <nu>	
Gen Config	OUTPut:SAMPlE:MODE For generator instrument DIGITAL: F32 F44 F48 F88 F96 F176 F192 SYNChron VALue For generator instrument I2SBOARD: F08 F11 F16 F22 F32 F44 F48 F88 F96 F176 F192 F384 VALue	
Gen Config	OUTPut:SIGNal:BALanced:LEVel <nu>	

Gen Config	OUTPut:SIGNal:LEVel <nu>	
Gen Config	OUTPut:TYPE BALanced UNBalanced	
Gen Config	OUTPut:WLENgth W16 W24 W32	
Gen Config	OUTPut:WOffset <n> If (OUTPut:WRDLength == 16) <n> = -16 ... 15 If (OUTPut:WRDLength == 24) <n> = -24 ... 23 If (OUTPut:WRDLength == 32) <n> = -32 ... 31	
Anl Funct	SENSE:Bandwidth <nu>	
Anl Funct	SENSE:Bandwidth:MODE PPCT1 PPCT3 POCT12 PTOC PFAS PFIX SPCT1 SPCT3 SOCT12 STOC SFAS SFIX	
Anl Funct	SENSE:CHANnel:DElay <nu>	
Anl Config	SENSE:CMpFactor <n> <n> = 2 ... 1024	
Display	SENSE:CONFig:COpyOther ONCE or EXEC ONCE or EXEC are not necessary	
Anl Config	SENSE:DATA:ALL? SENSE:DATA:ALL? MIN SENSE:DATA:ALL? MAX Query Only	
Anl Funct	SENSE:DATA<ch>? <ch> = 1 ... 8	
Anl Funct	SENSE:FiLTer<i> OFF UFIL1 UFIL2 UFIL3 UFIL4 UFIL5 UFIL6	

	UFIL7 UFIL8 UFIL9 AWE CARM CCIU CCIR CCIT CMES DEMP17 DEMP5015 DEMP50 DEMP75 DCN IECT JITT URUM WRUM PEMP17 PEMP5015 PEMP50 PEMP75 HP22 HP400 LP22 LP30 LP80 AES17 CWE <i> = 1, 2	
Anl Funct	SENSE:FREQuency <nu>	
Anl Funct	SENSE:FREQuency:FACTOR <nu>	
Anl Funct	SENSE:FREQuency:LIMit ON OFF	
Anl Funct	SENSE:FREQuency:LIMit:LOWer <nu>	
Anl Funct	SENSE:FREQuency:LIMit:UPPer <nu>	
Anl Funct	SENSE:FREQuency:SElect CW or FIXed GENTrack CH1Freq Alias CH1 CH2Freq Alias CH2 AUToboth or AUTOboth Multichannel: SENSE:FREQuency:SElect CW or FIXed GENTrack REFFrequency AUToboth or AUTOboth	
Anl Funct	SENSE:FUNCTion OFF RMS RMSselect PEAK	(new)

	SN FFT THD THDNsdr MDISt DFD POLarity NOCTave LIPSync BERT	
Anl Funct	SENSE:FUNCTION:APERture:MODE For analyzer function RMS AFASt AUTO GENTrack VALue For analyzer function S/N in MeasMode Pos Peak, Neg Peak, Pk to Pk and Abs Peak FAST SFASt SLOW For analyzer function THD+N/SINAD WIDE MEDium NARRow	
Anl Funct	SENSE:FUNCTION:BARGraph ON OFF	
Anl Funct	SENSE:FUNCTION:DCSuppression ON OFF	
Anl Funct	SENSE:FUNCTION:DISTortion<i> ON OFF <i> = 2 ... 9 describes harmonics	
Anl Funct	SENSE:FUNCTION:FFT:AVERAge <n> 1 ... 10000	
Anl Funct	SENSE:FUNCTION:FFT:AVERAge:MODE OFF NORMAl EXPOnential	
Anl Funct	SENSE:FUNCTION:FFT:MTIME? Query only	
Anl Funct	SENSE:FUNCTION:FFT:RESolution? Query only	
Anl Funct	SENSE:FUNCTION:FFT:Size S512 S1K	

	S2K S4K S8K S16K S32K S64K S128K S256K	
Anl Funct	SENSe:FUNcTion:FFT:STARt? Query only	
Anl Funct	SENSe:FUNcTion:FFT:STATe ON OFF	
Anl Funct	SENSe:FUNcTion:FFT:STOP? Query only	
Anl Funct	SENSe:FUNcTion:FFT:TRIGgered ON OFF	
Anl Funct	SENSe:FUNcTion:FFT:WINDow RECTangular HANN BLACkman_harris RIF1 RIF2 RIF3 HAMMing FLATtop	
Anl Funct	SENSe:FUNcTion:MMODE Peak PPEak NPEak PTOPeak PABSolut SN RMS QPEak PPEak NPEak PTOPeak PABSolut THD SElectdi LSElectdi DALL LDALI DODD LDODd DEVen LDEVen THD+N THDN LTHDn	

	SNDRatio Alias SINad NOISe LNOise DFD D2_268 or D2 D3_268 or D3 D2_118 D3_118 NOCTave OCT1 OCT3 OCT6 OCT12 OCT24 CBANd PESQ PEAQ DUT OFFLine	
Anl Funct	SENSE:FUNCTION:REFNment N1 N2 N4 N8	
Anl Funct	SENSE:FUNCTION:SETTLing:COUNT <n>	
Anl Funct	SENSE:FUNCTION:SETTLing:MODE OFF EXPonential FLAT AVERAge	
Anl Funct	SENSE:FUNCTION:SETTLing:RESolution <nu>	
Anl Funct	SENSE:FUNCTION:SETTLing:TOLerance <nu> PCT	
Anl Funct	SENSE:FUNCTION:SETTLing:TOUT <nu>	
Anl Funct	SENSE:FUNCTION:SNSequence ON OFF	
Anl Config	SENSE:HDMI:AUDio:CODing PCM AUTodetect	(new)
Anl Config	SENSE:HDMI:AUDio:CODing:DETEcted:STRing? Query Only	(new)
Anl Config	SENSE:HDMI:AUDio:CTS <n>	(new)
Anl Config	SENSE:HDMI:AUDio:FORMat? PCM2ch PCM8ch DBD DBDP DBTHd DTS DTSHd DTSMaster	(new)

Anl Config	SENSe:HDmI:AUdIo:INfoframe:STRing <String>	(new)
Anl Config	SENSe:HDmI:AUdIo:INPut SINK SARC DIUnbal DIOptical	(new)
Anl Config	SENSe:HDmI:AUdIo:N <n>	(new)
Anl Config	SENSe:HDmI:AVI:STRing <String>	(new)
Anl Config	SENSe:HDmI:EEDid:STRing <String>	(new)
Anl Config	SENSe:HDmI:SPD:STRing <String>	(new)
Gen Config	SENSe:HDmI:VIDeo:COLor:DEPTh D08 D10 D12	(new)
Anl Config	SENSe:HDmI:VIDeo:FORMat <string>	(new)
Anl Config	SENSe:HDmI:VIDeo:TIMing:STRing <String>	(new)
Anl Funct	SENSe:LIPSync:AUdIo:THREshold:LOW <nu>	(new)
Anl Funct	SENSe:LIPSync:COLor:THREshold:HIGh:STRing <string> <string> z.B. '(255,255,255)'	(new)
Anl Funct	SENSe:LIPSync:COLor:THREshold:LOW:STRing <string> <string> z.B. '(255,255,255)'	(new)
Anl Config	SENSe:POWer:REFerence:RESistance <nu>	
Anl Config	SENSe:REFerence <nu>	
Anl Config	SENSe:REFerence:CHANnel OFF CH1 CH2 CH3 CH4 CH5 CH6 CH7 CH8	
Anl Config	SENSe:REFerence:MODE Dual Channel: CH1Store CH2Store CH1Meas CH2Meas STORE GENTrack VALue Multichannel: SENSe:REFerence:MODE VALue MREFchannel GENTrack CH1Store CH2Store CH3Store CH4Store CH5Store CH6Store CH7Store CH8Store	

Anl Config	SENSe:REFerence:MODE2 Dual Channel: CH1Store CH2Store CH1Meas CH2Meas STORe GENTrack VALue Multichannel: SENSe:REFerence:MODE VALue MREFchannel GENTrack CH1Store CH2Store CH3Store CH4Store CH5Store CH6Store CH7Store CH8Store	
Anl Config	SENSe:REFerence2 <nu>	
Anl Funct	SENSe:SWEEp:CONTRol OFF ASWeep ALISt	
Anl Funct	SENSe:SWEEp:POINts <n>	
Anl Funct	SENSe:SWEEp:SPACing LINSteps LOGSteps LINPoints LOGPoints	
Anl Funct	SENSe:SWEEp:STARt <nu>	
Anl Funct	SENSe:SWEEp:STEP <nu>	
Anl Funct	SENSe:SWEEp:STOP <nu>	
Anl Funct	SENSe:THDN:REJection NARRow WIDE	
Anl Config	SENSe:TRIGger:SETTLing:COUNT <n>	
Anl Config	SENSe:TRIGger:SETTLing:MODE OFF EXPOntial FLAT AVERAge	
Anl Config	SENSe:TRIGger:SETTLing:RESolution <nu>	
Anl Config	SENSe:TRIGger:SETTLing:TOLerance <nu> PCT	
Filter	SENSe:UFILter<i> HPASs LPASs BPASs BSTOp BSTop	

	NOTCh TOCTave OCTave FILE <i> = 1 ... 9	
Filter	SENSE:UFILter<i>:ATTenuation <nu> <i> = 1 ... 9	
Filter	SENSE:UFILter<i>:CENTer <nu> <i> = 1 ... 9	
Filter	SENSE:UFILter<i>:DELay <nu> <i> = 1 ... 9	
Filter	SENSE:UFILter<i>:FNAMe 'filename' <i> = 1 ... 9	
Filter	SENSE:UFILter<i>:ORDer N4 N8 <i> = 1 ... 9	
Filter	SENSE:UFILter<i>:PASSb <nu> <i> = 1 ... 9	
Filter	SENSE:UFILter<i>:PASSb:LOWer <nu> <i> = 1 ... 9	
Filter	SENSE:UFILter<i>:PASSb:UPPer <nu> <i> = 1 ... 9	
Filter	SENSE:UFILter<i>:STOPb:LOWer? <i> = 1 ... 9 Query only!	
Filter	SENSE:UFILter<i>:STOPb:UPPer? <i> = 1 ... 9 Query only!	
Filter	SENSE:UFILter<i>:STOPb? <i> = 1 ... 9 Query only!	
Filter	SENSE:UFILter<i>:WIDTh <nu> <i> = 1 ... 9	
Anl Funct	SENSE:UNAuto ON OFF	
Anl Funct	SENSE:UNAuto2 ON OFF	
Anl Funct	SENSE:UNIT V DBV DBR FS :	

Anl Funct	SENSE:UNIT2 V DBV DBR FS :	
Anl Funct	SENSE:USERunit 'Unitstring'	
Anl Funct	SENSE:USERunit2 'Unitstring'	
Anl Funct	SENSE:VOLTage:APERture <nu>	
Anl Funct	SENSE:VOLTage:EQUALize ON OFF	
Anl Funct	SENSE:VOLTage:FUNDamental <nu>	
Anl Funct	SENSE:VOLTage:FUNDamental:MODE AUTO VALue GENTrack	
Anl Funct	SENSE:VOLTage:INTVtime <nu>	
Anl Funct	SENSE:VOLTage:INTVtime:MODE SFAST (for Peak measurement only) FAST (for Peak measurement only) SLOW (for Peak measurement only) FIXed or FIX3 (for QuasiPeak only) VALue (for Peak and QuasiPeak)	
Anl Config	SENSE:VOLTage:RANGe<ch>:MODE AUTO FIX LOWER <ch> = 1 ... 8	
Anl Config	SENSE:VOLTage:RANGe<ch>:VALue <nu> <ch> = 1 ... 8 <nu>: Range 200 mV: 0.2 Range 800 mV: 0.8 Range 3 V: 3 Range 12 V: 12 Range 50 V: 50 Query: The query answer is the nominal value of the range in volt without unit: Exceptionally the using of the query form "SENS:VOLT:RANG<i>:VALue? MIN or MAX" is not allowed.	
Anl Config	SENSE<x>:DATA<y>? MIN SENSE<x>:DATA<y>? MAX Query only	
Display	SENSE2:CONFig:COPIYother ONCE or EXEC	

	ONCE or EXEC are not necessary	
Anl Config	SENSe2:DATA:ALL? SENSe2:DATA:ALL? MIN SENSe2:DATA:ALL? MAX Query Only	
Anl Config	SENSe2:DATA<ch>? <ch> = 1 ... 8	
Anl Config	SENSe2:FUNcTion OFF IPEAk or IPEAK	
Anl Config	SENSe2:REFerence <nu>	
Anl Config	SENSe2:REFerence:MODE Dual channel: CH1Store CH2Store STORe CH1Meas CH2Meas GENTrack DIGoutampl VALue Multichannel: SENSe2:REFerence:MODE VALue MREFchannel GENTrack CH1Store CH2Store CH3Store CH4Store CH5Store CH6Store CH7Store CH8Store	
Anl Config	SENSe2:UNAuto ON OFF	
Anl Config	SENSe2:UNAuto2 ON OFF	
Anl Config	SENSe2:UNIT V DBV DBR FS :	
Anl Config	SENSe2:UNIT2 V DBV DBR FS	

	:	
Anl Config	SENSe2:USERunit 'Unitstring'	
Anl Config	SENSe2:USERunit2 'Unitstring'	
Anl Config	SENSe3:DATA:ALL? SENSe3:DATA:ALL? MIN SENSe3:DATA:ALL? MAX Query Only	
Anl Config	SENSe3:DATA<ch>? <ch> = 1 ... 8	
Anl Config	SENSe3:FREQuency:APERture:MODE FAST PRECIision	
Anl Config	SENSe3:FREQuency:REFerence <nu>	
Anl Config	SENSe3:FREQuency:REFerence:MODE Dual Channel: CH1Store CH2Store CH1Meas CH2Meas STORe GENTrack VALue Multichannel: VALue MREFchannel GENTrack CH1Store CH2Store CH3Store CH4Store CH5Store CH6Store CH7Store CH8Store CH1Store ... CH8Store and STORe are actions, afterwards the internal state is VALue, so the query answer is VALue.	
Anl Config	SENSe3:FREQuency:UNAuto ON OFF	
Anl Config	SENSe3:FREQuency:UNIT HZ DHZ DPCTHZ TERZ OCT DEC FFR	
Anl Config	SENSe3:FREquency:USERunit 'Unitstring'	
Anl Config	SENSe3:FUNction	

	OFF FREQuency FQPHase FQGRoupdelay FQSamplefrequency SFRrequency	
Anl Config	SENSe3:GROupdelay:REFerence <nu> 0 ... 10 s	
Anl Config	SENSe3:PHASe:FORMat POSitive POSNegative NEGative RAD RADBipolar RADNegative INFinite	
Anl Config	SENSe3:PHASe:REFerence <nu> -360° ...+360° -6,32832 ... +6,32832 RAD	
Anl Config	SENSe3:PHASe:REFerence:MODE Dual Channel: STORe VALue GENTrack STORe is an action, the internal state is VALue, so the query answer is always VALue. Multichannel: VALue GENTrack	
Anl Config	SENSe3:PHASe:UNAuto ON OFF	
Anl Config	SENSe3:PHASe:UNIT DEG RAD DDEG DRAD S DS	
Anl Config	SENSe3:PHASe:USERunit 'Unitstring'	
Anl Config	SENSe4:DATA?	
Display	SENSe6:CONFig:COPIYother ONCE or EXEC ONCE or EXEC are not necessary	
Anl Config	SENSe6:DATA:ALL? SENSe6:DATA:ALL? MIN SENSe6:DATA:ALL? MAX Query Only	
Anl Config	SENSe6:DATA<ch>?	

	<ch> = 1 ... 8	
Anl Config	SENSe6:FUNcTion OFF LRMS DC PEAK	
Anl Config	SENSe6:REfERENCE <nu>	
Anl Config	SENSe6:REfERENCE:MODE Dual Channel: CH1Store CH2Store STORe CH1Meas CH2Meas GENTrack VALue Multichannel: SENSe6:REfERENCE:MODE VALue MREFchannel GENTrack CH1Store CH2Store CH3Store CH4Store CH5Store CH6Store CH7Store CH8Store	
Anl Config	SENSe6:UNAuto ON OFF	
Anl Config	SENSe6:UNAuto2 ON OFF	
Anl Config	SENSe6:UNIT V DBV DBR FS :	
Anl Config	SENSe6:UNIT2 V DBV DBR FS :	
Anl Config	SENSe6:USERunit 'Unitstring'	
Anl Config	SENSe6:USERunit2 'Unitstring'	
Anl Config	SENSe7:FUNcTion OFF ON	

Anl Config	SENSe7:MMODE STANdard COMPressed USAMple	
Anl Config	SENSe7:TRIGger:AUTO ON OFF	
Anl Config	SENSe7:TRIGger:LEVel <nu>	
Anl Config	SENSe7:TRIGger:PRE <nu>	
Anl Config	SENSe7:TRIGger:SLOPe RISing FALLing	
Anl Config	SENSe7:TRIGger:SOURce Dual channel: CH1 CH2 MANual GENBurst Multichannel: TRGChannel MANual GENBurst	
Anl Config	SENSe7:TRIGger:TRCLength <nu>	
Anl Proto	SENSe8:FUNcTION OFF ON	
Anl Proto	SENSe8:PROTOcol:CH<x>:BYTE<y>? <x> are <y> suffixes <x> = Channel 1 or 2 <y> = Byte 0 ... 4 Retrunvalue = 0 ... 255 Query only	
Anl Proto	SENSe8:PROTOcol:DISPlay ON OFF	
Anl Proto	SENSe8:PROTOcol:ERRor:PCM<i>? SENSe8:PROTOcol:ERRor:PAR<i>? SENSe8:PROTOcol:ERRor:LOC<i>? SENSe8:PROTOcol:ERRor:CRC<i>? SENSe8:PROTOcol:ERRor:INV<i>? <i> = 1 or 2 for Ch 1 or Ch 2 Query only "0" = no error "1" = error	
Anl Proto	SENSe8:PROTOcol:ERRor? Query only Answer:	

	0,"No error" or <n>,"PCM1,PCM2,PAR1,PAR2,..." <n> represents 10 Bits (d0 ... d9) <n> = 0 ... 1023 d0: PCM1 d1: PCM2 d2: PAR1 d3: PAR2 d4: LOC1 d5: LOC2 d6: CRC1 d7: CRC2 d8: INV1 d9: INV2	
Anl Proto	SENSe8:PROTOcol:HIGHlight NOThing FOUtput BETWween FStart	
Anl Proto	SENSe8:PROTOcol:MODE AUTomatic or AUTOMATIC CONSUMER PROFESSIONAL	
Anl Proto	SENSe8:PROTOcol:PERSistence SHORT LONG FOREver	
Anl Proto	SENSe8:PROTOcol:VIEW BINText BINonly	
Gen Funct	SOURce:ACHSine:FREQUency <nu>	
Gen Funct	SOURce:ACHSine:STATe ON OFF	
Gen Funct	SOURce:ACHSine:VOLTagE <nu>	
Gen Funct	SOURce:FILTer OFF UFIL1 UFIL2 UFIL3 UFIL4 UFIL5 UFIL6 UFIL7 UFIL8 UFIL9 AWE CARM CCIU CCIR CCIT CMES DCN DEMP17	

	DEMP5015 DEMP50 DEMP75 IECT JITT URUM WRUM PEMP17 PEMP5015 PEMP50 PEMP75 HP22 HP400 LP22 LP30 LP80 AES17 CWE	
Gen Funct	SOURce:FILTer:CHANnels TRACk SPLit	
Gen Funct	SOURce:FREQuency <nu>	
Gen Funct	SOURce:FREQuency:CH2Stereo <nu>	
Gen Funct	SOURce:FREQuency:DIFFerence <nu>	
Gen Funct	SOURce:FREQuency:MEAN <nu>	
Gen Config	SOURce:FREQuency:REFerence <nu> Grundeinheit: Hz	
Gen Funct	SOURce:FREQuency:SElect FQPH FQFQ	
Gen Funct	SOURce:FREQuency<i> <nu> <i> = 3 ... 32	
Gen Funct	SOURce:FREQuency2 <nu>	
Gen Funct	SOURce:FUNction SINusoid STEReo MULTisine BURSt MDISt DFD RANDom ARBitrary POLarity DC SQUare PLAY UNIVersal LIPSync	(new)
Gen Funct	SOURce:FUNction:MODE For Multisinus: EQUalvoltage DEFinedvoltage For DFD:	

	IEC268 IEC118	
Gen Config	SOURce:HDML:AUDio:FORMat PCM2ch PCM8ch DBD DBDP DBTHd DTS DTSHd DTSMaster	(new)
Gen Config	SOURce:HDML:AUDio:INFOframe:STRing <String>	(new)
Gen Config	SOURce:HDML:AVI:STRing <String>	(new)
Gen Config	SOURce:HDML:CEC:STRing <String>	(new)
Gen Config	SOURce:HDML:EEDid:STRing <String>	(new)
Gen Config	SOURce:HDML:HDCP ON OFF	(new)
Gen Config	SOURce:HDML:SARC LOOPback DAGen	(new)
Gen Config	SOURce:HDML:SPD:STRing <String>	(new)
Gen Config	SOURce:HDML:VIDeo:COLor:DEPTh D08 D10 D12	(new)
Gen Config	SOURce:HDML:VIDeo:COLor:STRing <String>	(new)
Gen Config	SOURce:HDML:VIDeo:CONTent MONochrom LIPSync BERT PATTern	(new)
Gen Config	SOURce:HDML:VIDeo:CONTent:STRing <String>	(new)
Gen Config	SOURce:HDML:VIDeo:FORMat <string>	(new)
Gen Config	SOURce:HDML:VIDeo:FREQUency HZ23 HZ24 HZ25 HZ29 HZ30 HZ50 HZ59 HZ60 HZ100 HZ119 HZ120	(new)
Gen Config	SOURce:HDML:VIDeo:RESolution P640x480_4x3 P720x576_4x3 P720x576_16x9 I720x576_4x3 I720x576_16x9 P720x480_4x3 P720x480_16x9 I720x480_4x3 I720x480_16x9 P1280x720_16x9	(new)

	P1920x1080_16x9 I1920x1080_16x9	
Gen Config	SOURce:HDML:VIDeo:SOURce INTern AXINput	(new)
Gen Funct	SOURce:LIPSync:PATtern:AUDioactive:COLor:STRing <string> <string> z.B. '(255,255,255)'	(new)
Gen Funct	SOURce:LIPSync:PATtern:MUTE:COLor:STRing <string> <string> z.B. '(255,255,255)'	(new)
Gen Funct	SOURce:MCHannel<ch>:ACHSine:STATe ON OFF	
Gen Funct	SOURce:MCHannel<ch>:FILTer OFF :	
Gen Funct	SOURce:MCHannel<ch>:GAIN <nu>	
Gen Funct	SOURce:MCHannel<ch>:LIMittofs <nu>	
Gen Funct	SOURce:MCHannel<ch>:SINE:ARBitrary:STATe ON OFF	
Gen Funct	SOURce:MCHannel<ch>:SINE:ARBitrary:VOLTag e <nu>	
Gen Funct	SOURce:MCHannel<ch>:SINE:EQUalize:STATe ON OFF	
Gen Funct	SOURce:MCHannel<ch>:SINE:FREQUency <nu>	
Gen Funct	SOURce:MCHannel<ch>:SINE:OFFset:STATe ON OFF	
Gen Funct	SOURce:MCHannel<ch>:SINE:OFFset:VOLTag e <nu>	
Gen Funct	SOURce:MCHannel<ch>:SINE:PHAS e <nu>	
Gen Funct	SOURce:MCHannel<ch>:SINE:STATe ON OFF	
Gen Funct	SOURce:MCHannel<ch>:SINE:VOLTag e <nu>	
Gen Funct	SOURce:MCHannel<ch>:TOTal:GAIN <nu>	
Gen Funct	SOURce:MULTisine:COUNT <n>	
Gen Funct	SOURce:ONTime <nu>	
Gen Funct	SOURce:ONTime:DELAy <nu>	
Gen Funct	SOURce:PHAS e<i> <nu> <i> = 1 ... 32 <nu> = 0 ... 360 °	
Gen Funct	SOURce:PLAY:CHANnel MLEft MRIGHt STEReo	

Gen Funct	SOURce:PLAY:MODE TOCont TOSingle TICont TISingle	
Gen Funct	SOURce:PLAY:REStart OFF AUTO ONCE ONCE is a single action, so the query answer depends of the previous state and is always OFF or AUTO.	
Gen Funct	SOURce:PLAY:SCALepktofs ON OFF	
Gen Funct	SOURce:PLAY:TIME <nu>	
Gen Proto	SOURce:PROTOcol:AZERo ONCE or EXEC ONCE or EXEC are not necessary Query answer always OFF	
Gen Proto	SOURce:PROTOcol:CH<x>:BYTE<y> <n> <x> and <y> are suffixes <x> = CHannel 1 or 2 <y> = Byte 0 ... 4 <n> = Value 0 ... 255	(new)
Gen Proto	SOURce:PROTOcol:CRC ON OFF	
Gen Proto	SOURce:PROTOcol:FILE 'filename'	
Gen Proto	SOURce:PROTOcol:MODE AUTomatic or AUTOMATIC PROFessional CONSUMER FILE	
Gen Proto	SOURce:PROTOcol:NUMerical:BYTe <n> <n> = 0 ... 4	
Gen Proto	SOURce:PROTOcol:NUMerical:VALue <n> <n> = 0 ... 255	
Gen Proto	SOURce:PROTOcol:VALidity NONE CH1And2	
Gen Funct	SOURce:RANDom:FREQUency:LOWer <nu>	
Gen Funct	SOURce:RANDom:FREQUency:UPPer <nu>	
Gen Funct	SOURce:RANDom:SHAPE WHITe PINK TOCTave	

	FILE or ARbitrary	
Gen Funct	SOURce:RANDom:SPACing:FREQuency <nu>	
Gen Funct	SOURce:RANDom:SPACing:MODE ATRack USERdefined	
Gen Funct	SOURce:SCHSettings:CHANnel <n>	
Gen Funct	SOURce:SCHSettings:TTOChannels ON OFF	
Gen Funct	SOURce:SINusoid:DITHer <nu>	
Gen Funct	SOURce:SINusoid:DITHer:STATe ON OFF	
Gen Funct	SOURce:STEReo2:FILTer OFF UFIL1 : CWE	
Gen Funct	SOURce:SWEep:CONTRol OFF ASWeep ALISt	
Gen Funct	SOURce:SWEep:DWELI <nu> 10 ms ... 1000 s	
Gen Funct	SOURce:SWEep:FREQuency:HALT START VALue MUTE	
Gen Funct	SOURce:SWEep:FREQuency:HALT:VALue <nu>	
Gen Funct	SOURce:SWEep:FREQuency:POINts <n>	
Gen Funct	SOURce:SWEep:FREQuency:SPACing LINSteps LOGSteps LINPoints LOGPoints	
Gen Funct	SOURce:SWEep:FREQuency:STARt <nu>	
Gen Funct	SOURce:SWEep:FREQuency:STEP <nu>	
Gen Funct	SOURce:SWEep:FREQuency:STOP <nu>	
Gen Funct	SOURce:SWEep:NEXTstep DWELI ASYNc LIST	
Gen Funct	SOURce:SWEep:PHASe:HALT START VALue MUTE	
Gen Funct	SOURce:SWEep:PHASe:HALT:VALue <nu>	
Gen Funct	SOURce:SWEep:PHASe:POINts <n>	

Gen Funct	SOURce:SWEEp:PHASe:SPACing LINSteps LOGSteps LINPoints LOGPoints	
Gen Funct	SOURce:SWEEp:PHASe:START <nu>	
Gen Funct	SOURce:SWEEp:PHASe:STEP <nu>	
Gen Funct	SOURce:SWEEp:PHASe:STOP <nu>	
Gen Funct	SOURce:SWEEp:VOLTage:HALT START VALue MUTE	
Gen Funct	SOURce:SWEEp:VOLTage:HALT:VALue <nu>	
Gen Funct	SOURce:SWEEp:VOLTage:POINts <n>	
Gen Funct	SOURce:SWEEp:VOLTage:SPACing LINSteps LOGSteps LINPoints LOGPoints	
Gen Funct	SOURce:SWEEp:VOLTage:START <nu>	
Gen Funct	SOURce:SWEEp:VOLTage:STEP <nu>	
Gen Funct	SOURce:SWEEp:VOLTage:STOP <nu>	
Gen Funct	SOURce:SWEEp:XAXis FREQuency VOLTage PHASe	
Gen Funct	SOURce:SWEEp:ZAXis OFF FREQuency VOLTage	
Gen Config	SOURce:SYNC:INPut BALanced UNBalanced	
Gen Config	SOURce:SYNC:TERMination R75 RHIGH	
Gen Config	SOURce:SYNC:TO For generator instrument Digital Audio: INTClock or GCLock AINPut EDARs ECLK EICKL For generator instrument I2S Board: INTern EXTMasterclock EXTWordclock For HDMI: HINTern	(new)

	HAUXinput	
Gen Funct	SOURce:VOLTage <nu>	
Gen Funct	SOURce:VOLTage:CH2Stereo <nu>	
Gen Funct	SOURce:VOLTage:CREStfactor:MODE MINimized DPHase	
Gen Funct	SOURce:VOLTage:EQUalize Alias SOURce:VOLTage:STEReo1:EQUalize ON OFF	
Gen Funct	SOURce:VOLTage:EQUalize:CHANnels TRACK SPLit	
Gen Config	SOURce:VOLTage:MAXimum <nu>	
Gen Funct	SOURce:VOLTage:OFFSet:CHANnels TRACK SPLit	
Gen Funct	SOURce:VOLTage:OFFSet:STATe ON OFF CH1And2 (nur für Stereo Sinus)	
Gen Funct	SOURce:VOLTage:OFFSet<ch> <nu>	
Gen Config	SOURce:VOLTage:RANGe AUTO FIX	
Gen Funct	SOURce:VOLTage:RATio <n>	
Gen Config	SOURce:VOLTage:REFerence <nu>	
Gen Funct	SOURce:VOLTage:SELect VLRT VLVL	
Gen Funct	SOURce:VOLTage:STEReo2:EQUalize ON OFF	
Gen Funct	SOURce:VOLTage:TOTal <nu>	
Gen Funct	SOURce:VOLTage:TOTal:GAIN <nu>	
Gen Funct	SOURce:VOLTage<i> <nu> <i> = 3 ... 32	
Gen Funct	SOURce:VOLTage<i>:RMS <nu>	
Gen Funct	SOURce:VOLTage2 <nu>	
Special	STATus:OPERation? Alias STATus:OPERation:EVENT? STATus:OPERation:CONDition? STATus:OPERation:ENABLE <n> STATus:OPERation:PTRransition <n> STATus:OPERation:NTRransition <n>	

	<p>STATus:QUEStionable? Alias STATus:QUEStionable:EVENT?</p> <p>STATus:QUEStionable:CONDition? STATus:QUEStionable:ENABle <n> STATus:QUEStionable:PTRansition <n> STATus:QUEStionable:NTRansition <n></p> <p>STATus:XQUEStionabl? Alias STATus:XQUEStionabl:EVENT?</p> <p>STATus:XQUEStionabl:CONDition? STATus:XQUEStionabl:ENABle <n> STATus:XQUEStionabl:PTRansition <n> STATus:XQUEStionabl:NTRansition <n></p> <p>STATus:QUEStionable:MEASuring? Alias STATus:QUEStionable:MEASuring:EVENT?</p> <p>STATus:QUEStionable:MEASuring:CONDition? STATus:QUEStionable:MEASuring:ENABle <n> STATus:QUEStionable:MEASuring:PTRansition <n> STATus:QUEStionable:MEASuring:NTRansition <n></p> <p>STATus:QUEStionable:OVERrange? Alias STATus:QUEStionable:OVERrange:EVENT?</p> <p>STATus:QUEStionable:OVERrange:CONDition? STATus:QUEStionable:OVERrange:ENABle <n> STATus:QUEStionable:OVERrange:PTRansition <n> STATus:QUEStionable:OVERrange:NTRansition <n></p> <p>STATus:QUEStionable:UNDerrange? Alias STATus:QUEStionable:UNDerrange:EVENT?</p> <p>STATus:QUEStionable:UNDerrange:CONDition? STATus:QUEStionable:UNDerrange:ENABle <n> STATus:QUEStionable:UNDerrange:PTRansition <n> STATus:QUEStionable:UNDerrange:NTRansition <n></p> <p>UNDerrange Alias UNDERrange <n> = Unsigned Integer 0 ... 65535</p>	
Special	STATus:PRESet	
Special	STATus:QUEue[:NEXT]?	
Switcher	<p>SWITcher:COMPort COM3 COM4 COM5 COM6 AUTO</p>	

Switcher	SWITcher:INPA <n>	
Switcher	SWITcher:INPB <n>	
Switcher	SWITcher:OFFSet:BVSA <n>	
Switcher	SWITcher:OFFSet:OVSI <n>	
Switcher	SWITcher:OUTA <n>	
Switcher	SWITcher:OUTB <n>	
Switcher	SWITcher:STATE ON OFF	
Switcher	SWITcher:TRACking OFF BVSA or CH2V OVSI or OVI ALL	
Config	SYSTem:CHNString 'String' String: 'Ch1;;Ch2;;Ch3;;Ch4;; ;;Ch8'	
Config	SYSTem:COMMunicate:GPIB:ADDRess <n> <n> = 0 ... 31	
Special	SYSTem:DISPlay:EXPLAnation<i>:HIDE <i> = 1...10 No query	
Special	SYSTem:DISPlay:EXPLAnation<i>:SHOW 'String' String = 'x=0,y=10,w=200,h=100' <i> = 1...10 No query	
Special	SYSTem:DISPlay:EXPLAnation<i>:TEXT “<RTF-Text>” <i> = 1...10 No query	
Config	SYSTem:DISPlay:SCPIUpdate OFF ON	
Config	SYSTem:HELP:LANGUage ENGLish GERMan	
Config	SYSTem:MAXChdisp <n> <n> = 1 ... 8	
Special	SYSTem:MEMory:DATA<i> <n,n,n,...,n> or SYSTem:MEMory:DATA<i> #<LengthofLength><Length><Binary data as float>	

	<i> = 1 ... 16	
Special	SYSTem:MEMory:FREE STRing DATA No query	
Special	SYSTem:MEMory:STRing<i> 'String' <i> = 1 ... 1024 Stringlength max. 540 Byte	
Config	SYSTem:PROFile:CLIPboard 'Filename'	
Config	SYSTem:PROFile:FILE 'Filename'	
Config	SYSTem:PROFile:PRINter 'Filename'	
Config	SYSTem:PROFile:SCReen 'Filename'	
Special	SYSTem:PROGramm:EXECute 'xxx.exe'	
Config	SYSTem:QLONG OFF ON	
Special	SYSTem:SHUtdown SYSTem:SHUtdown <nu> No query	
Special	SYSTem:SINFo 'String'	
Special	SYSTem:SINFo:MAC?	
Special	SYSTem:VERSiOn? Query only Answer always 1999.0	
Config	SYSTem:WINSyle OFF ON	
Load Trc	TRACe:Subsys<i>:LDList:AX? TRACe:Subsys<i>:LDList:AY? TRACe:Subsys<i>:LDList:BX? TRACe:Subsys<i>:LDList:BY? Query only	
Load Trc	TRACe:Subsys<i>:LDList:COUNT:AX? TRACe:Subsys<i>:LDList:COUNT:AY? TRACe:Subsys<i>:LDList:COUNT:BX? TRACe:Subsys<i>:LDList:COUNT:BY? Query only	
Load Trc	TRACe:Subsys<i>:LOAD:AX? TRACe:Subsys<i>:LOAD:AY? TRACe:Subsys<i>:LOAD:BX? TRACe:Subsys<i>:LOAD:BY? Query only	
Load Trc	TRACe:Subsys<i>:LOAD:COUNT:AX?	

	TRACe:Subsys<i>:LOAD:COUNT:AY? TRACe:Subsys<i>:LOAD:COUNT:BX? TRACe:Subsys<i>:LOAD:COUNT:BY? Query only	
Store Trc	TRACe:SWE<i>:STORE:AX <n,n,n,n> TRACe:Subsys<i>:STORE:AY <n,n,n,n,n> TRACe:SWE<i>:STORE:BX <n,n,n,n,n> TRACe:Subsys<i>:STORE:BY <n,n,n,n,n> May be a set of ASCII data <n,n, ,n,n> or a set of binary data #<LengthofLength><Length><Binary data as float> AX and BX only for SWEep Subsystem! To manipulate a sweep axis, it is strictly recommended to set the X-Source to "Manual" No Query Query replacement is the command TRACe:Subsys<i>:LOAD:AX AY BX BY?	
Anl Config	TRIGger:CHANnel OFF CH1 CH2 CH3 CH4 CH5 CH6 CH7 CH8	
Anl Config	TRIGger:COUNt <n>	
Anl Config	TRIGger:DELay <nu>	
Anl Config	TRIGger:FREQuency:VARiation <nu>	
Anl Config	TRIGger:SOURce Dual Channel: AUTO or AUTO or IMMEDIATE TIMer TCHart CH1Freq CH2Freq CH1Rapidfreq CH2Rapidfreq CH1Level CH2Level CH1Trigger CH2Trigger CH1Edgetrigger CH2Edgetrigger Multichannel: AUTO TIMer FREQuency RAPidfreq LEVel TRIGger EDGetrigger	

Anl Config	TRIGger:TIMer <nu>	
Anl Config	TRIGger:VOLTag:e:VARiation <nu>	

New Remote Control Commands arranged in groups

Group	Command-Mnemonic	New
Anl Config	INSTRument2 ANLG ist Alias zu A8CHannel DIG or D48 I2Sboard or I2S HDMI Alias INSTRument2:NSElect 1 2 3 4 8 1 ist Alias zu A8CHannel 2 or 3 = DIG 4 = I2Sboard 8 = A8Channel 11 = HDMI	(new)
Anl Config	SENSe:HDmI:AUdIo:COdIng PCM AUTodetect	(new)
Anl Config	SENSe:HDmI:AUdIo:COdIng:DETEcted:STRing? Query Only	(new)
Anl Config	SENSe:HDmI:AUdIo:CTs <n>	(new)
Anl Config	SENSe:HDmI:AUdIo:FORMat? PCM2ch PCM8ch DBD DBDP DBTHd DTS DTSHd DTSMaster	(new)
Anl Config	SENSe:HDmI:AUdIo:INFOframe:STRing <String>	(new)
Anl Config	SENSe:HDmI:AUdIo:INPut SINK SARC DIUnbal DIOptical	(new)
Anl Config	SENSe:HDmI:AUdIo:N <n>	(new)
Anl Config	SENSe:HDmI:AVI:STRing <String>	(new)
Anl Config	SENSe:HDmI:EEDid:STRing <String>	(new)
Anl Config	SENSe:HDmI:SPD:STRing <String>	(new)
Anl Config	SENSe:HDmI:VIDeo:FORMat <string>	(new)
Anl Config	SENSe:HDmI:VIDeo:TIMing:STRing <String>	(new)
Anl Funct	SENSe:FUNCTion OFF RMS	(new)

	RMSSelect PEAK SN FFT THD THDNsdr MDISt DFD POLarity NOCTave LIPSync BERT	
Anl Funct	SENSe:LIPSync:AUDio:THReshold:LOW <nu>	(new)
Anl Funct	SENSe:LIPSync:COLor:THReshold:HIGh:STRing <string> <string> z.B. '(255,255,255)'	(new)
Anl Funct	SENSe:LIPSync:COLor:THReshold:LOW:STRing <string> <string> z.B. '(255,255,255)'	(new)
Gen Config	INSTRument Alias INSTRument:SElect ANLG or A25 DIG or D48 I2Sboard or I2S HDMI Alias INSTRument:NSElect 1 2 3 4 1 = ANLG 2 or 3 = DIG 4 = I2Sboard 11 = HDMI	(new)
Gen Config	SENSe:HDMI:VIDeo:COLor:DEPTh D08 D10 D12	(new)
Gen Config	SOURce:HDMI:AUDio:FORMat PCM2ch PCM8ch DBD DBDP DBTHd DTS DTSHd DTSMaster	(new)
Gen Config	SOURce:HDMI:AUDio:INFOframe:STRing <String>	(new)
Gen Config	SOURce:HDMI:AVI:STRing <String>	(new)
Gen Config	SOURce:HDMI:CEC:STRing <String>	(new)
Gen Config	SOURce:HDMI:EEDid:STRing <String>	(new)
Gen Config	SOURce:HDMI:HDcP ON OFF	(new)
Gen Config	SOURce:HDMI:SARC LOOPback DAGen	(new)
Gen Config	SOURce:HDMI:SPD:STRing <String>	(new)
Gen Config	SOURce:HDMI:VIDeo:COLor:DEPTh	(new)

	D08 D10 D12	
Gen Config	SOURce:HDmI:VIDeo:COLor:STRing <String>	(new)
Gen Config	SOURce:HDmI:VIDeo:CONTent MONochrom LIPSync BERT PATTern	(new)
Gen Config	SOURce:HDmI:VIDeo:CONTent:STRing <String>	(new)
Gen Config	SOURce:HDmI:VIDeo:FORMat <string>	(new)
Gen Config	SOURce:HDmI:VIDeo:FREQUency HZ23 HZ24 HZ25 HZ29 HZ30 HZ50 HZ59 HZ60 HZ100 HZ119 HZ120	(new)
Gen Config	SOURce:HDmI:VIDeo:RESolution P640x480_4x3 P720x576_4x3 P720x576_16x9 I720x576_4x3 I720x576_16x9 P720x480_4x3 P720x480_16x9 I720x480_4x3 I720x480_16x9 P1280x720_16x9 P1920x1080_16x9 I1920x1080_16x9	(new)
Gen Config	SOURce:HDmI:VIDeo:SOURce INTern AXINput	(new)
Gen Config	SOURce:SYNC:TO For generator instrument Digital Audio: INTClock or GClock AINPut EDARs ECLK EICLk For generator instrument I2S Board: INTern EXTMasterclock EXTWordclock For HDMI: HINTern HAUXinput	(new)
Gen Funct	SOURce:FUNCTion SINusoid	(new)

	STEReo MULTisine BURSt MDISt DFD RANDom ARBitrary POLarity DC SQUare PLAY UNIVersal LIPSync	
Gen Funct	SOURce:LIPSync:PATtern:AUDioactive:COLor:STRing <string> <string> z.B. '(255,255,255)'	(new)
Gen Funct	SOURce:LIPSync:PATtern:MUTE:COLor:STRing <string> <string> z.B. '(255,255,255)'	(new)
Gen Proto	SOURce:PROTocol:CH<x>:BYTE<y> <n> <x> and <y> are suffixes <x> = CHannel 1 or 2 <y> = Byte 0 ... 4 <n> = Value 0 ... 255	(new)

New alphabetical sorted Remote Control Commands

Group	Command-Mnemonic	New
Gen Config	INSTRument Alias INSTRument:SElect ANLG or A25 DIG or D48 I2Sboard or I2S HDMI Alias INSTRument:NSElect 1 2 3 4 1 = ANLG 2 or 3 = DIG 4 = I2Sboard 11 = HDMI	(new)
Anl Config	INSTRument2 ANLG ist Alias zu A8CHannel DIG or D48 I2Sboard or I2S HDMI Alias	(new)

	INSTRUMENT2:NSELECT 1 2 3 4 8 1 ist Alias zu A8Channel 2 or 3 = DIG 4 = I2Sboard 8 = A8Channel 11 = HDMI	
Anl Funct	SENSE:FUNCTION OFF RMS RMSselect PEAK SN FFT THD THDNsdr MDIST DFD POLarity NOCTave LIPSync BERT	(new)
Anl Config	SENSE:HDMI:AUDIO:CODING PCM AUTodetect	(new)
Anl Config	SENSE:HDMI:AUDIO:CODING:DETECTED:STRING? Query Only	(new)
Anl Config	SENSE:HDMI:AUDIO:CTS <n>	(new)
Anl Config	SENSE:HDMI:AUDIO:FORMAT? PCM2ch PCM8ch DBD DBDP DBTHd DTS DTSHd DTSMaster	(new)
Anl Config	SENSE:HDMI:AUDIO:INFOFRAME:STRING <String>	(new)
Anl Config	SENSE:HDMI:AUDIO:INPUT SINK SARC DIUnbal DIOptical	(new)
Anl Config	SENSE:HDMI:AUDIO:N <n>	(new)
Anl Config	SENSE:HDMI:AVI:STRING <String>	(new)
Anl Config	SENSE:HDMI:EEDID:STRING <String>	(new)
Anl Config	SENSE:HDMI:SPD:STRING <String>	(new)
Gen Config	SENSE:HDMI:VIDEO:COLOR:DEPTH D08 D10 D12	(new)
Anl Config	SENSE:HDMI:VIDEO:FORMAT <string>	(new)
Anl Config	SENSE:HDMI:VIDEO:TIMING:STRING <String>	(new)
Anl Funct	SENSE:LIPSync:AUDIO:THRESHOLD:LOW <nu>	(new)
Anl Funct	SENSE:LIPSync:COLOR:THRESHOLD:HIGH:STRING <string> <string> z.B. '(255,255,255)'	(new)
Anl Funct	SENSE:LIPSync:COLOR:THRESHOLD:LOW:STRING <string>	(new)

	<string> z.B. '(255,255,255)'	
Gen Funct	SOURce:FUNction SINusoid STEReo MULTisine BURSt MDISt DFD RANDom ARBitrary POLarity DC SQUare PLAY UNIVersal LIPSync	(new)
Gen Config	SOURce:HDMI:AUDio:FORMat PCM2ch PCM8ch DBD DBDP DBTHd DTS DTSHd DTSMaster	(new)
Gen Config	SOURce:HDMI:AUDio:INFOframe:STRing <String>	(new)
Gen Config	SOURce:HDMI:AVI:STRing <String>	(new)
Gen Config	SOURce:HDMI:CEC:STRing <String>	(new)
Gen Config	SOURce:HDMI:EEDid:STRing <String>	(new)
Gen Config	SOURce:HDMI:HDCP ON OFF	(new)
Gen Config	SOURce:HDMI:SARC LOOPback DAGen	(new)
Gen Config	SOURce:HDMI:SPD:STRing <String>	(new)
Gen Config	SOURce:HDMI:VIDeo:COLor:DEPTh D08 D10 D12	(new)
Gen Config	SOURce:HDMI:VIDeo:COLor:STRing <String>	(new)
Gen Config	SOURce:HDMI:VIDeo:CONTent MONochrom LIPSync BERT PATTern	(new)
Gen Config	SOURce:HDMI:VIDeo:CONTent:STRing <String>	(new)
Gen Config	SOURce:HDMI:VIDeo:FORMat <string>	(new)
Gen Config	SOURce:HDMI:VIDeo:FREQuency HZ23 HZ24 HZ25 HZ29 HZ30 HZ50 HZ59 HZ60	(new)

	HZ100 HZ119 HZ120	
Gen Config	SOURce:HDmI:VIDeo:RESolution P640x480_4x3 P720x576_4x3 P720x576_16x9 I720x576_4x3 I720x576_16x9 P720x480_4x3 P720x480_16x9 I720x480_4x3 I720x480_16x9 P1280x720_16x9 P1920x1080_16x9 I1920x1080_16x9	(new)
Gen Config	SOURce:HDmI:VIDeo:SOURce INTern AXINput	(new)
Gen Funct	SOURce:LIPSync:PATtern:AUDioactive:COLor:STRing <string> <string> z.B. '(255,255,255)'	(new)
Gen Funct	SOURce:LIPSync:PATtern:MUTE:COLor:STRing <string> <string> z.B. '(255,255,255)'	(new)
Gen Proto	SOURce:PROTOcol:CH<x>:BYTE<y> <n> <x> and <y> are suffixes <x> = CHannel 1 or 2 <y> = Byte 0 ... 4 <n> = Value 0 ... 255	(new)
Gen Config	SOURce:SYNC:TO For generator instrument Digital Audio: INTClock or GCLock AINPut EDARs ECLK EICLK For generator instrument I2S Board: INTern EXTMasterclock EXTWordclock For HDMI: HINTern HAUXinput	(new)