ADSL command usage

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Document Revision History

Revision	Date	Author	Description

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1 adslphxcmd begin cmd

【DESCRIPTION】ADSL initialization commands can be configured to activate the mode switch and the various characteristics. If --up parameter is added in the initialization process, the ADSL line state can be set to active.

【USAGE】

adslphxcmd begin [**--up**] [**-- modulation** {***a***|***d***|***l***|***t***|***2***|***p***|***e***|***m***} [**--bitswap** {***on***|***off***}] [**--*sra*** {***on***|***off***}]

【PRECONDITION】ADSL driver must be installed

【PARAMETERS】

Parameters	Function	Usage
--up	do the ADSL line connection after initializing	optional
--modulation {a|d|l|t|2|p|e|m}	Mode supported: a：all d：G.dmt l：G.lite t：T1.413 2：ADSL2 p：ADSL2+ e：Annex L m：Annex M	optional
--bitswap {on|off}	Configuration bit-swap function on：bit-swamp function enable off：bit-swamp function disable	optional
--sra {on|off}	Seamless rate adaptation (SRA) on：SRA function enabled off：SRA function disabled	optional

【Note】

1. The activation of bit-swamp function does not guarantee the operation is done on the line level, which must be determined by line state negotiation between CPE and DSLAM.

2. Seamless line adaptation does not guarantee the operation is done on the line level, which must also be determined by line state negotiation between CPE and DSLAM.

【EXAMPLE】

adslphxcmd begin --modulation a --up

2 adslphxcmd connect Command

【COMMAND PURPOSE】this command configures the state of ADSL. Possible states of ADSL line are ‘up’ and ‘down’

【COMMAND SYNTAX】**adslphxcmd connect** [**--up**] [**--down**]

【PRECONDITION】this command must be called after ADSL driver is initialized

【PARAMETERS】

Parameters	Function	Notice
--up	Initiates a ADLS Connection	optional
--down	Terminates a ADLS Connection	optional

【NOTICE】None

【EXAMPLE】

```
# adslphxcmd connect --up
```

3 adslphxcmd info Command

【COMMAND PURPOSE】this command displays the ADLS info

【COMMAND SYNTAX】**adslphxcmd info** [**--state**] [**--show**] [**--stats**]

【PRECONDITION】this command must be called after ADSL driver is initialized

【PARAMETERS】

Parameters	Function	Notice
--state	Display the ADSL line state	optional
--show	Display ADSL parameters	optional

【NOTICE】

【EXAMPLE】

```
# adslphxcmd info --state
```

4 adslphxcmd delt Command

【COMMAND PURPOSE】this command is used for ADSL Delt diagnosing test

【COMMAND SYNTAX】**adslphxcmd delt** [**--start**] [**--status**] [**--show** {***snr*** **|** ***qln*** **|** ***hlind*** **|** ***bits*** **|** ***actatp*** }]

【DESCRIPTION】ADSL Delt diagnosing test

【PRECONDITION】this command must be called after ADSL driver is initialized

【PARAMETERS】

Parameters	Function	Notice
--start	Initiating ADSL Delt diagnosing	optional
--status	Displaying ADSL Delt diagnosing state	optional
--show {snr | qln | hlin| bits | actatp }	Displaying ADSL Delt diagnosing result snr：displaying the downstream SNR level qln：displaying the downstream line noise level hlin： displaying the channel characteristics function for each tone on the ADLS line, where H(f) represents a complex number represented by the linear coordinate(unified) bits：displaying the bit allocation of each tone on the ADSL line actatp： displaying the ADS transmitting power	optional

【NOTICE】

The commands must be executed following procedure below.

1. start the diagnosing this command：adslphxcmd delt --start

2. get the diagnosing info with command：adslphxcmd delt -status (Running implies the diagnosing is in progress; Completed implies the procedure is over, turning to step 3)

3. get the diagnosing result and key parameters with command: adslphxcmd delt --show actatp

【EXAMPLE】

adslphxcmd delt --start

adslphxcmd delt --status

```
# adslphxcmd delt --show actatp
```

5 adslphxcmd fwversion Command

【DESCRIPTION】this command displays the ADSL firmware version number

【COMMAND SYNTAX】**adslphxcmd fwversion**

【PRECONDITION】none

【PARAMETERS】none

【NOTICE】none

【EXAMPLE】

adslphxcmd fwversion