

User Manual Appendix

Because of the product upgrading, part functions and interfaces are different from the original product, therefore, here are the instructions:

1. Added parameters:

1.1 Bit error parameters only support LCD, OCD, HEC, and add INP, Delay and interleave rate.

2.2 Support Annex M、G.Dmt、G.lite、T1.413、ADSL2、Annex L、ADSL2+ and so on.

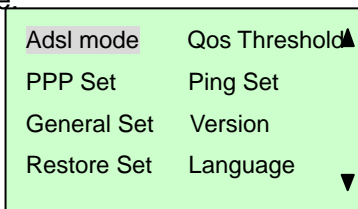
Parameters introduction:

INP is Impulse Noise Protection, the value of INP shows the maximum quantity of DMT which is damaged by the impulse noise and at the same time the interleave and FEC can protect.

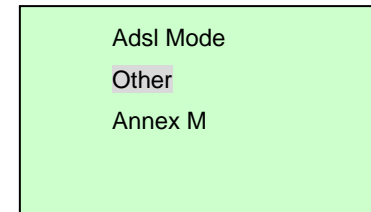
Delay is the time delay when testing interlaced code.

2. Differences of interfaces

2.1 Main menu->system setting, press Enter key go into system setting interface:



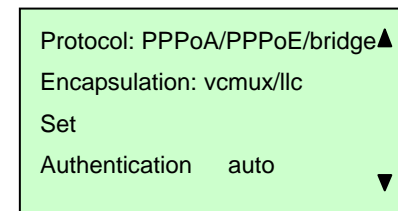
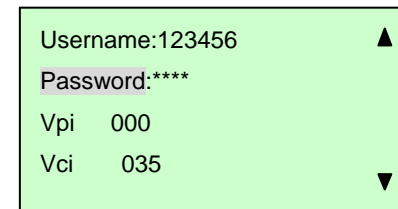
2.2 After highlighting Adsl Mode, press Enter key go into Adsl Mode interface:



Other: G.Dmt, G.lite, T1.413, ADSL2, AnnexL, ADSL2+.

Annex M: Annex M belongs to the appendix of the ADSL2+ protocol, which meets the downstream 24Mbps, upstream is 3.5Mbps. After pressing Enter key, it will be highlighted, if the setting is successful, there is tip named “successful setting”.

2.3 Enter the “PPP set” interface, and choose the username, password, VPI/VCI modification, PPPoE/PPPoA/bridge, encapsulation. The authentication type is auto. After pressing Enter key, you can modify the highlighted part, and press Back key to exit the modifying interface.



Authentication is auto, it can not be modified, only a tip for users.
When setting PPP mode, the internal Modem can only work by resetting, and the setting time is long.

2.4 Enter “QoS threshold” interface, we can set the following 4 parameters as standard of judging the quality of service.

```
NoiseMarg :00000
Dn Atten :00000
Dn Atten 1:00000
Dn Atten 2:00000
```

After press “Enter”, operators can modify the selected contents. And press Back key to exit from the above window.

Real Noise Margin (Down) < Noise Margin of Threshold, the service is bad;

Real Noise Margin (Down) > Noise Margin of Threshold, operators should judge the attenuation.

Reference standard:

- Real Down Attenuation < Down Attenuation of Threshold, service quality: Excellent
- Real Down Attenuation < Down Attenuation of Threshold 1, service quality: Good
- Real Down Attenuation < Down Attenuation of Threshold 2,

service quality: OK

- Real Down Attenuation > Down Attenuation of Threshold 2, service quality: Bad

Reference standard:

Noise Margin Threshold	Down attenuation Threshold	Down Attenuation Threshold 1	Down Attenuation Threshold 2
6.0	35.5	48.5	62.5

2.5 Enter into the “Language” interface, there will be version type and choice of language, operators can choose ‘Chinese’ or ‘English’.

```
CN
English
```

Modem Emulation: If Modem is in the current mode, the status can be PPPoA/PPPoE/Bridge.

PPP Dial: During the PPP dial, if the tip “Authentication Failure. Please close the tester, test it later.” is shown on the tester, the reason is that ADSL Line disconnected abnormally; please follow the instructions on the tester.

Notice: the management software of new upgrading version is optional.