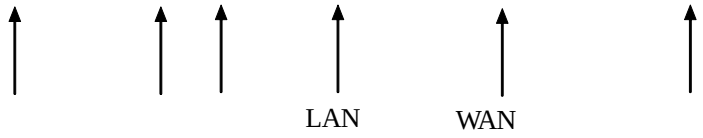
1. NBR 2
1.1 NBR1200G 2
2. 4
3. 8
3.1 8
3.2 8
3.3 8
4. 9
4.1 IP 9
4.2 PPPoE 13
4.3 DHCP IP 16
5. Web 21
5.1 Web 21
5.2 22
6. NBR 29
6.1 NBR 29
6.1.1 WAN 29
6.1.2 LAN 29
6.1.3 29
6.2 30
6.2.1 30
6.2.2 31

1. RG-NBR1200G



1-5 RG-NBR1200G

NBR1200G

	NBR1200G

2 10/100/1000M

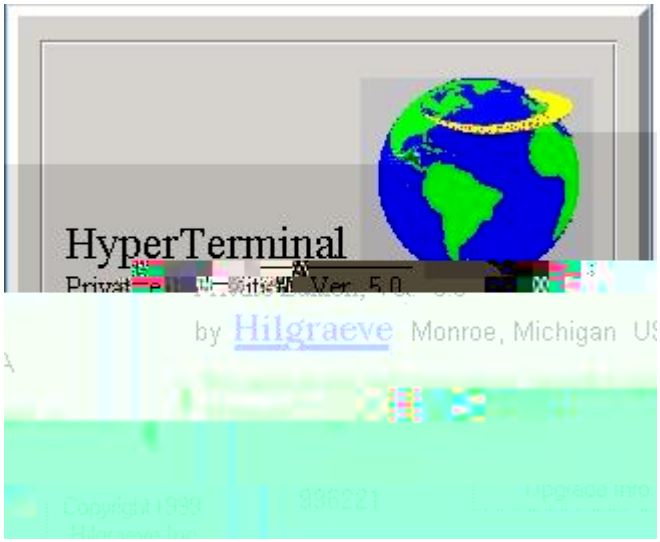
WAN

N¥

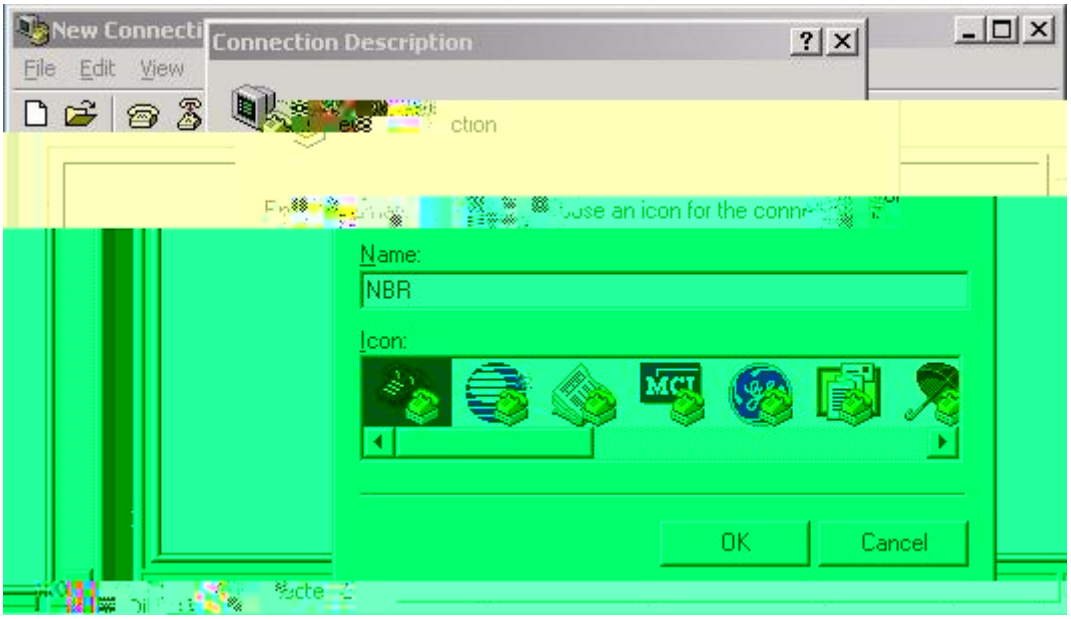
2.

NBR Console Web

Console Web 5 AÈÈÄ


HyperTerminal
by Hilgraeve Monroe, Michigan

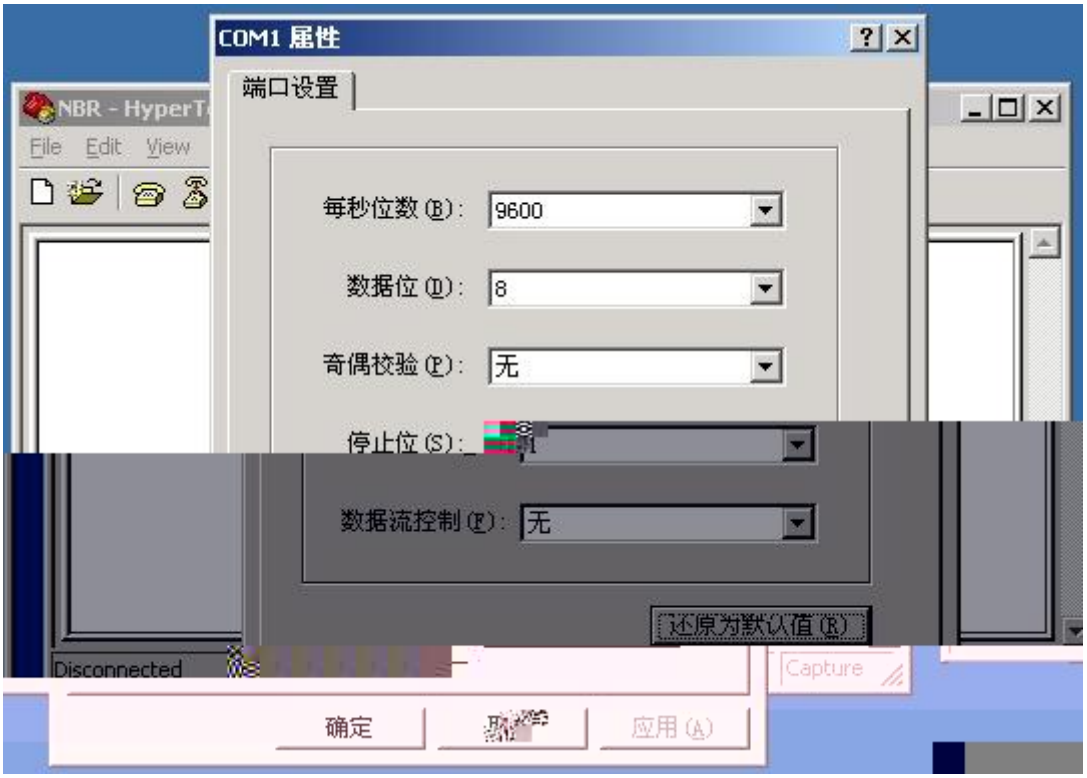
2-3


New Connecti
File Edit View
Connection Description
Name:
NBR
Icon:
OK
Cancel

2-4

2-5 Console PC

PC COM1 NBR Console COM1



2-6 PC

Console 9600Bit/S

8 1

3.

3.1

-
-

🕮

A

3.2

3.3

-
- NBR80 NBR2000 “ Status ” NBR2500/NBR3000 “ SYSTEM ” NBR1100E/NBR1200/NBR1200G/NBR1100G “ ”
- Console
-

4.

WEB Console

IP 4
enable
enable

```
NBR>
NBR>enable
Password:          <=
NBR# setup         <=              setup
```

NBR ***setup***

NBR ***RGOS*** CD-ROM

RGOS

www.ruijie.com.cn

NBR ***setup***

4.1 IP

Internet

WAN WAN 218.5.19.2 LAN
192.168.0.1 WAN

```
        ------------            ----------------

     ctrl-c                      '[]'



          :
                            [NBR]:
                                                  :
      telnet                                          :
      WAN       (1-     ,2 -     ,3-     ,         )[1]:

         internet   WAN  :
  0. WAN 0
  1. WAN 1
        (0 - 1)[0]:

           :
  1.    IP
  2. PPPoE
  3. DHCP    IP
        (1 - 3)[1]:
      WAN    IP:
      WAN          [255.255.255.252]:
            IP    :
ISP                        [no]:
      ISP              Mbps  (1-100)[    100]:
                  ARP[no]:


    :            telnet                     LAN   IP
                                          LAN
      LAN    IP[192.168.1.1]:
      LAN          [255.255.255.0]:
                  ARP[yes]:
```

1.
2.
3.

(1 - 3)[3]:
[yes]:
WAN ping [no]:
IP [no]:

DNS (DNS)[no]:

:
:
:admin
telnet :remoteuser
:
WAN 0: IP
: 218.5.19.2 255.255.255.0
:218.5.19.1
NAT :
: 100 Mbps
:
: 192.168.0.1 255.255.255.0
ARP: 1 Seconds
:
: LAN0 : LAN3
:
:
:
WAN ping :
DNS (DNS):
[yes]:

LAN IP telnet LAN IP

```
service timestamps debug datetime
service timestamps log datetime
no service password-encryption
!
interface FastEthernet 0/0
 ip nat inside
 ip access-group 3198 in
 no ip redirects
 no ip mask-reply
 no ip proxy-arp
 ip address 192.168.0.1 255.255.255.0
 arp gratuitous-send interval 1 5
!
interface FastEthernet 1/0
 ip nat outside
 ip access-group 3199 in
 no ip redirects
 no ip mask-reply
 no ip proxy-arp
 ip address 218.5.19.2 255.255.255.0
 duplex auto
 speed auto
!
interface FastEthernet 1/1
 duplex auto
 speed auto
 shutdown
!
interface Null 0
!
ip nat pool nbr_setup_build_pool prefix-length 24
 address 218.5.19.2 218.5.19.2 match interface FastEthernet 1/0
!
ip nat inside source list 99 pool nbr_setup_build_pool
ip nat translation max-entries 7000
ip nat translation per-user 0.0.0.0 1000
ip nat translation udp-timeout 150
ip nat translation icmp-timeout 30
ip nat translation tcp-timeout 600
ip nat translation finrst-timeout 20
ip nat translation dns-timeout 30
security anti-wan-attack level high
security anti-lan-attack
!
ip route 0.0.0.0 0.0.0.0 FastEthernet 1/0 218.5.19.1
!
line con 0
line vty 0
 login
 password 7 110022081d5e0834012e3e
line vty 1
 login
 password 7 072c06221a062210014f1f
line vty 2
 login
 password 7 093d101f2811175f1e2400
line vty 3
 login
 password 7 050a03330c3b1007340000
line vty 4
 login
 password 7 08112a181d330007590833
```

```
!
!
end
```

4.2 PPPoE

ADSL Internet

```
           :
  1.    IP
  2. PPPoE
  3. DHCP    IP
       (1 - 3)[1]:
     PPPoE       :
     PPPoE     :pppoepassword
     ISP              Mbps  (1-100)[    100]:

   :            telnet                    LAN   IP
                                          LAN
     LAN    IP[192.168.0.1]:
     LAN          [255.255.255.0]:
                 ARP[yes]:
                           (1 - 3600)[1]:
      1              (1 -100)[5]:
                 [no]:              NBR

                    [yes]:
                  [yes]:

                 :
  1.
  2.
  3.
       (1 - 3)[3]:
             [yes]:
WAN         ping    [no]:
            IP       [no]:

            DNS      (DNS    )[no]:

              :
                :
                  :
      telnet           :
                     :
        WAN 0:
               :
              :
              : 100 Mbps
                 :
            : 192.168.0.1 255.255.255.0
                  ARP: 1 Seconds
                 :
                           :
                       :
                       :
      WAN         ping    :
                   DNS      (DNS    ):
                 [yes]:


!
NBR#show running-config
```

```
!
interface Null 0
!
!
ip nat pool nbr_setup_build_pool prefix-length 24
 address interface dialer 0 match interface dialer 0
!
ip nat inside source list 99 pool nbr_setup_build_pool
ip nat translation max-entries 7000
ip nat translation per-user 0.0.0.0 1000
ip nat translation udp-timeout 150
ip nat translation icmp-timeout 30
ip nat translation tcp-timeout 600
ip nat translation finrst-timeout 20
ip nat translation dns-timeout 30
security anti-wan-attack level high
security anti-lan-attack
!
ip route 0.0.0.0 0.0.0.0 dialer 0
!
line con 0
line vty 0
 login
 password 7 04220b032c
line vty 1
 login
 password 7 1000012217
line vty 2
 login
 password 7 08163c1000
line vty 3
 login
 password 7 072b102a07
line vty 4
 login
 password 7 050d153b11
    !
    !
    end
```

PC

NBR WAN LAN

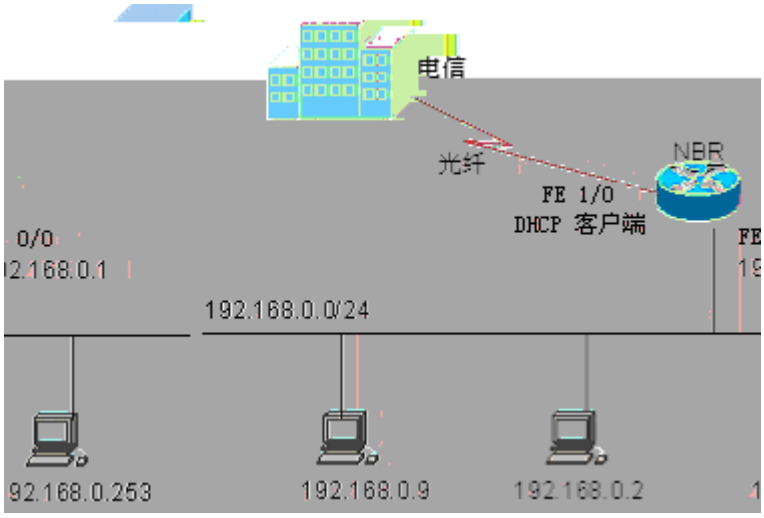
4.3 DHCP IP

Internet

WAN WAN DHCP IP LAN

192.168.0.1 LAN WAN NAT

Internet



4-3 DHCP IP

NBR (NBR1200)

```
NBR >enable
!
NBR#setup

       ------------              ----------------

    ctrl-c                        '[]'



          :
                              [NBR]:
                                                    :
     telnet                                                :
     WAN       (1-     ,2 -     ,3-     ,         )[1]:

        internet   WAN   :
  0. WAN 0
  1. WAN 1
        (0 - 1)[0]:

           :
  1.     IP
  2. PPPoE
  3. DHCP     IP
        (1 - 3)[1]:3
     ISP              Mbps  (1-100)[    100]:
                 ARP[no]:


   :            telnet                    LAN   IP
                                        LAN
     LAN     IP[192.168.0.1]:
     LAN           [255.255.255.0]:
                 ARP[yes]:
                              (1 - 3600)[1]:
```

1 (1 -100)[5]:

[no]: NBR

[yes]:

[yes]:

:

```
access-list 99 permit any
dialer-list 1 protocol ip permit
!
service sequence-numbers
service timestamps debug datetime
service timestamps log datetime
no service password-encryption
!
interface FastEthernet 0/0
 ip nat inside
 ip access-group 3198 in
 no ip redirects
 no ip mask-reply
 no ip proxy-arp
 ip address 192.168.0.1 255.255.255.0
 arp gratuitous-send interval 1 5
!
interface FastEthernet 1/0
 ip nat outside
 ip access-group 3199 in
 no ip redirects
 no ip mask-reply
 no ip proxy-arp
 ip address dhcp
 duplex auto
 speed auto
!
interface FastEthernet 1/1
 duplex auto
 speed auto
 shutdown
!
interface Null 0
!
!
ip nat pool nbr_setup_build_pool prefix-length 24
 address interface FastEthernet 1/0 match interface FastEthernet 1/0
!
```

```
security anti-wan-attack level high
security anti-lan-attack
!
!
line con 0
line vty 0
 login
 password 7 131717470235173e3f0057
line vty 1
 login
 password 7 04251d0b31172a00012217
line vty 2
 login
 password 7 0132464e380c032b102a07
line vty 3
 login
 password 7 08112a181d330007590833
line vty 4
 login
 password 7 03513215092a063a061735
!
!
end
```

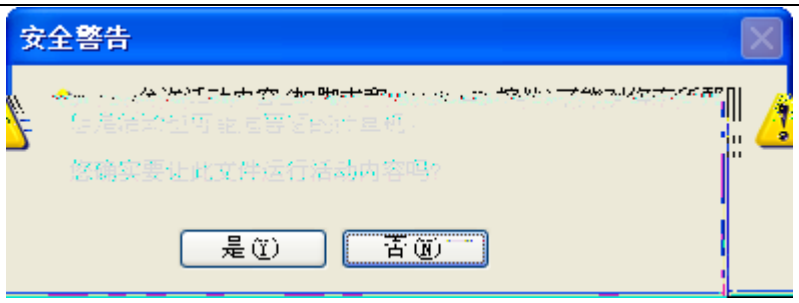
5. Web

Web

CD-ROM

5.1 Web

LAN WAN IP

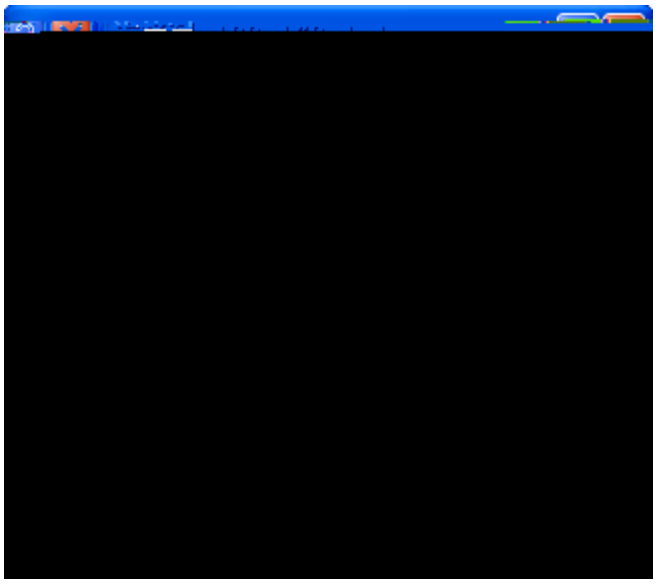


5-2 “ (Y) ”

“ WEB ” “ ”

WEB

admin



5-3

web flash web htm js

“ ” “ WED ”

Web

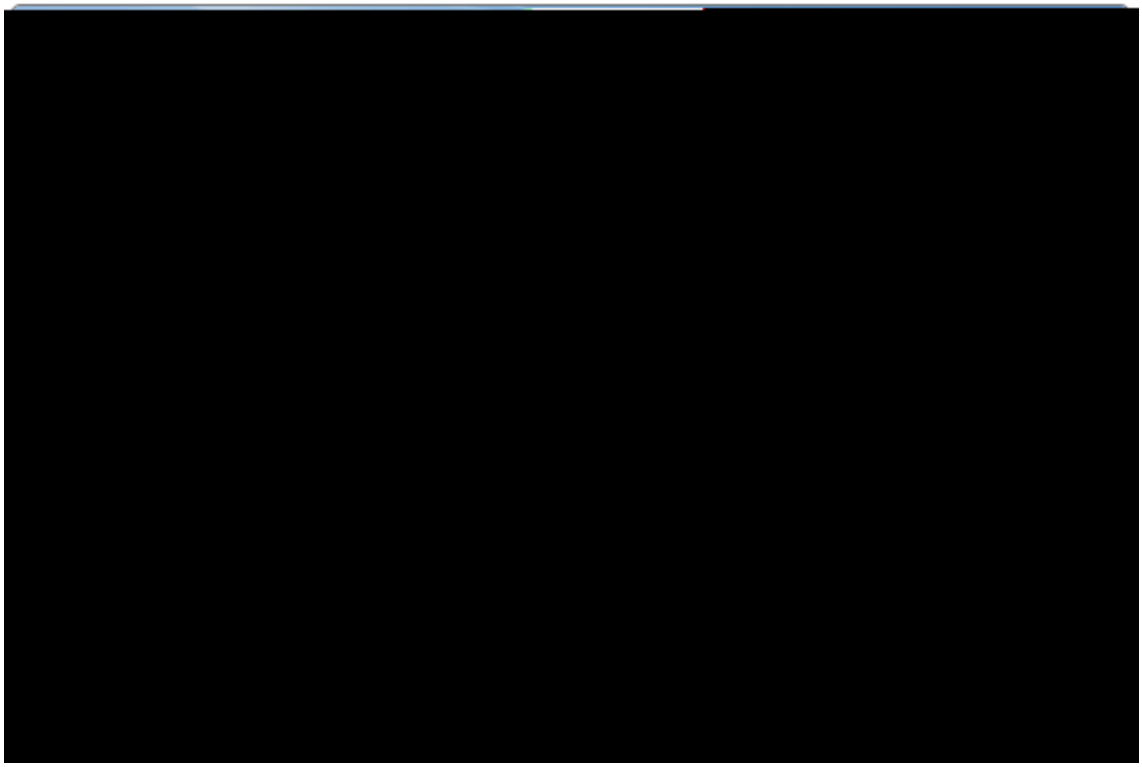
5.2

NBR

NBR

5-4

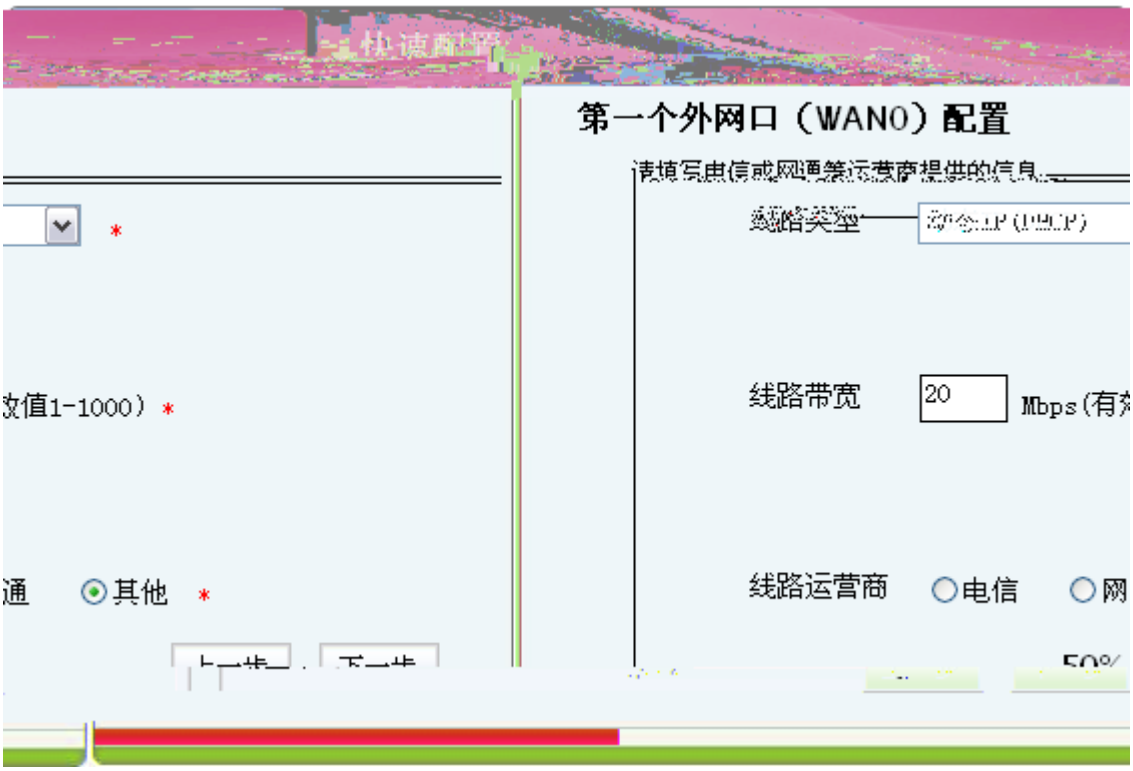
“ ” LAN



5-5 LAN

LAN IP “ ” WAN

LAN IP IP Web



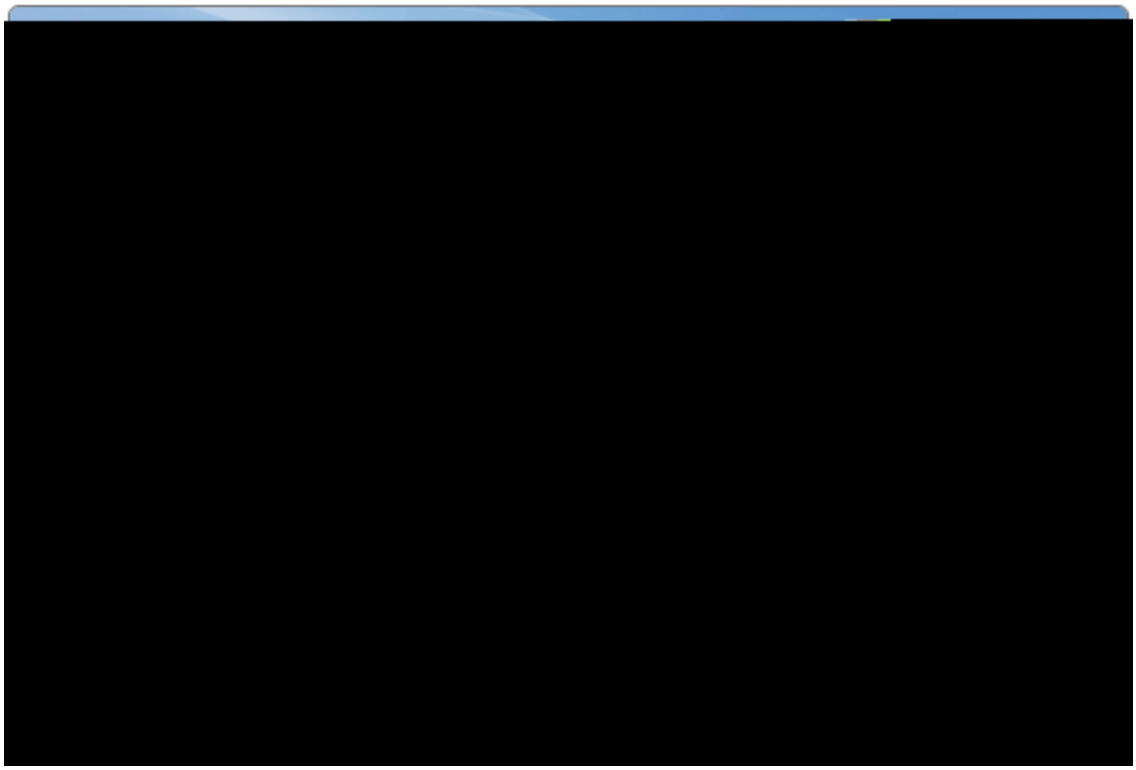
5-7 WAN0 IP

“ PPPoE ”

5-8

ADSL 1-1000M

WAN0 “ ” WAN0

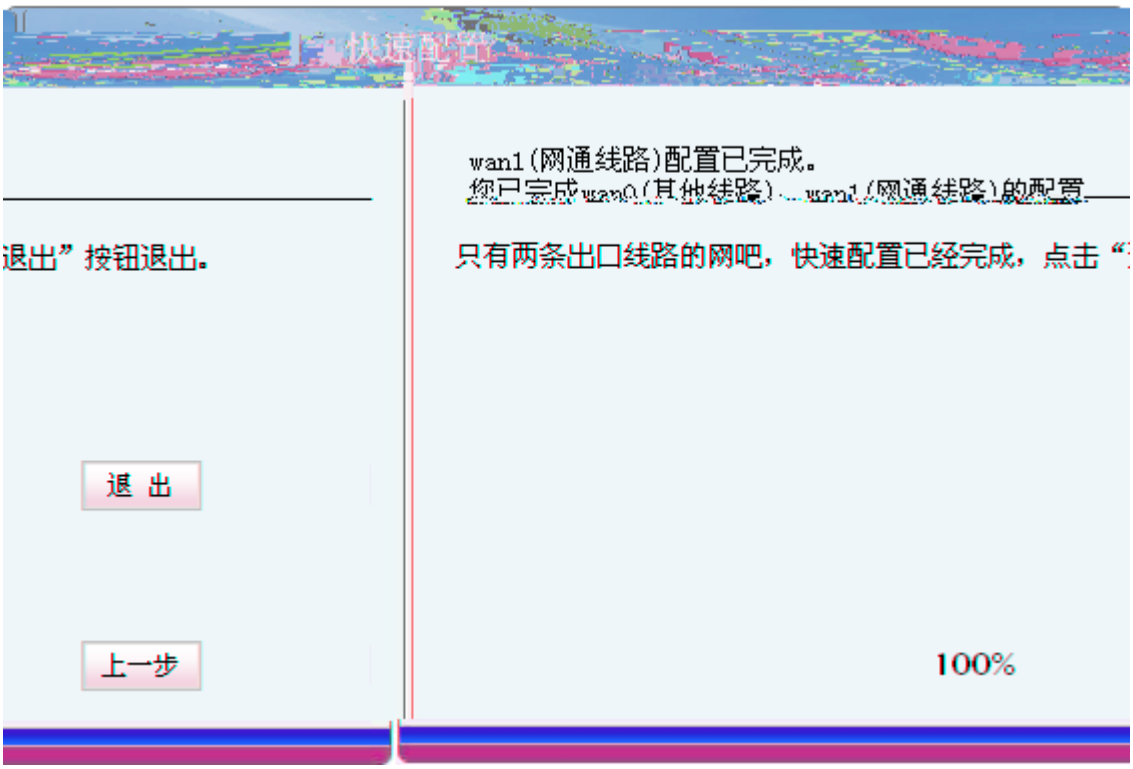


5-9 WAN0 PPPoE

WAN0 WAN1 “ (wan1) ”
“ ” “ ”

LAN IP IP Web

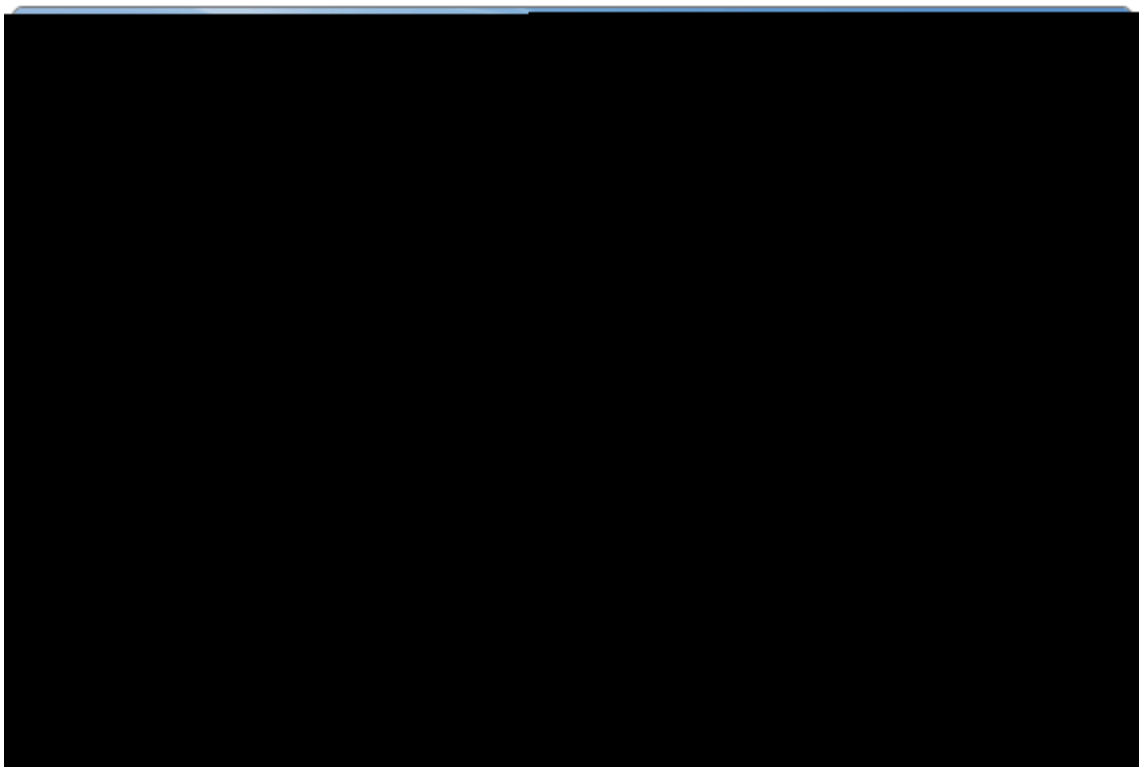
WAN WAN1 WAN WAN



5-10 WAN

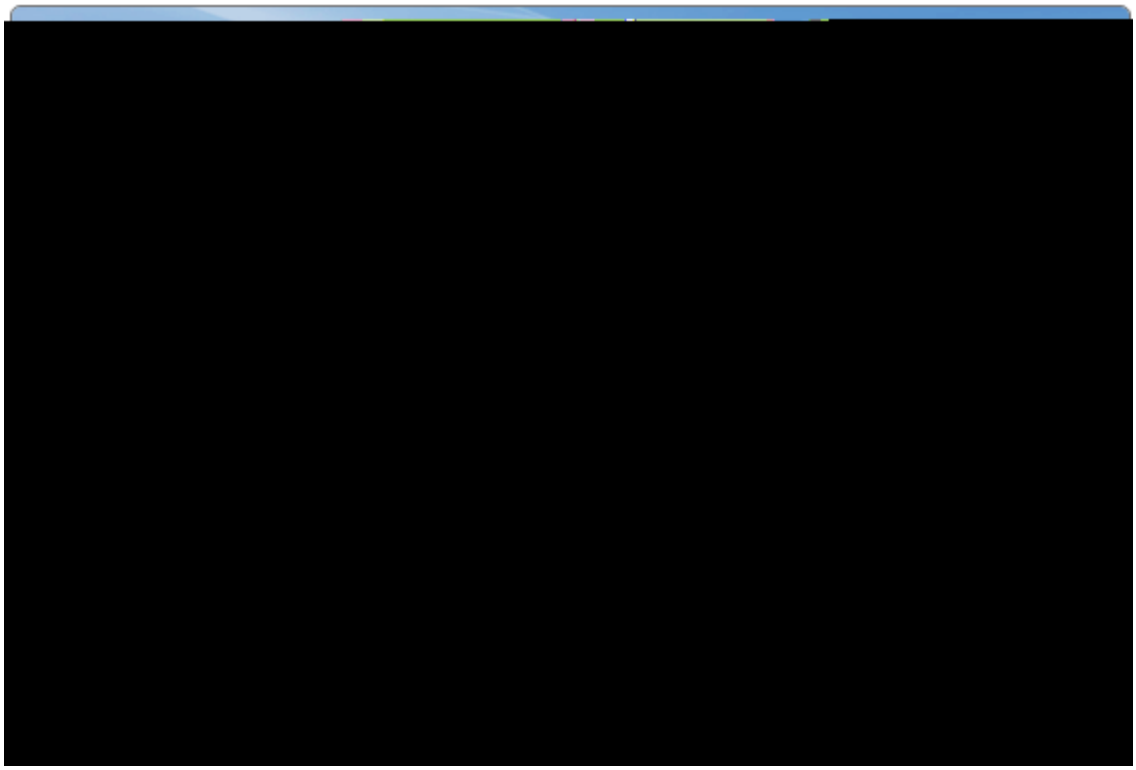
WAN “ ”

WAN



5-11

“ ”



5-12

LAN IP IP Web

6. NBR

NBR

NBR

NBR

3

4

GB50174-93

4

4

5

6.2

6.2.1

IN OUT

1 WAN

6-1 WAN

i. ADSL Modem NBR ADSL Modem
IN NBR WAN OUT

ii.

iii.

iv. ADSL Modem NBR

2 LAN

6-2 LAN

i. NBR

ii. NBR
IN NBR LAN OUT

iii.

iv.

v. NBR NBR

6.2.2

RJ45