NTT's Home Gateway Setup Manual

for
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PR-500MI
RT-500KI
RT-500MI
RS-500KI
RS-500MI

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We have 2 NTT fiber optic services.
One is NTT east. Another one is NTT west.
Misawa,Atsugi,Zama,Yokosuka belong to NTT east.
Iwakuni,Sasebo,Okinawa belong to NTT west.
<Caution>The service lineup is different between NTT east and NTT west. And the home gateway and modem are different too. This manual is for NTT east.

After tecnicians finished installing the NTT's gateway of the fiber optic internet service,they have already checked the modem function. It means the line connection is good condition. (OSI's 7 layer's 1st layer(Physical layer) is good. NTT's installation team must setup this 1st layer).

NTT east service line up
NTT "B Flets" (Flets means internet connection service of NTT. B means Broadband). Max speed is 100Mbps. You can't select B Flets any more as a new contracter.
NTT "Flets NEXT" (NTT updated B Flets from 100Mbps to 200Mbps). Max speed is 200Mbps. You can't select Flets NEXT any more as a new contracter except some of apartments.
NTT "Flets NEXT Giga Smart"(NTT updated Flets NEXT from 200Mbps to 1000Mbps.)

About home gateway device...
NTT's tecnicians install the following kind of home gateway device.

STEP 1
Try to check the modem lamps.

These lamps are modem status lamps.

When the installation guys left from your house,these 4 lamps are all green (it means on or good)

The meanings of these lamps.
認証（Ninsho）lamp： authentication (This modem is recognized from NTT base station by MAC address)
UNI（User Network Interface）lamp：It means LAN cable is connected to the LAN connecter.
光回線（Fiber Optic line）lamp: It means the physical connection status of the fiber optic cable.
電源（Dengen）lamp: Power of the modem.

When you couldn't find any modem lamps,check back side of the home gateway. Can you see white fiber optic cable? This cable connects to the home gateway. You can see the 2 small lamp between white line and home gateway device. If these 2 lamps is off,Please remove fiber optic cable once,then insert it strongly one more.
When these lamps are something wrong, Take a picture of these lamps. Then Consult Ken Kinoshita soon.

STEP 2
Try to check the router lamps

These lamps are router's status.

The meaning of router's lamps.
ルータ電源（Power of the router）： green means power on.
アラーム（Alarm）：This lamp changes to red when operation system's ROM is updating.
PPP(Point to point protocol)：This lamp changes to green when internet connection has established between this router and the authentication server of ISP (So-net,Biglobe,OCN,SANNET,RakutenBB etc). If this lamp can't change to green… Reason 1. You may have payment trouble with ISP or NTT. Reason 2. PPPoE's ID and password (provided from

ISP) may be wrong.Please check the uppercase and lowercase.　If PPP lamp is orange,It means IP version 6 service is running.Some applications use IP version 6 service of NTTeast.

ひかり電話（IP phone service）lamp：Green means NTT's IP phone is on.

ACT lamp: Data communication packets are sending and receiving.(For example,when you start web browser,this lamp starts blinking)

登録(Resistration) lamp: the communication status of NTT's phone service.

初期状態（Router's status）lamp: Orange means default (This router hasn't been setup). When you push the reset butten(initialized butten),this lamp turn to orange.

オプション（Option）lamp：Wifi status. When you are using 11ac,this lamp starts blinking.

STEP 3

When you have a computer.
Connect your computer to the LAN port of the NTT home gateway.
NTT's home gateway has 4 LAN port in the back of this device.

Connect LAN cable to LAN port of the NTT home gateway like this.

Connect LAN cable(another side) to your computer like this.

NTT installation guy left 1 LAN cable in the brown paper box of the NTT's home gateway. Please use it.

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<TIPS>
If you don't have any computer now… Don't worry. Check the sticker in the back of the gateway device.

PIN コード（PIN code）:But default setting is inavailable.
SSID 1(Wifi name 1): 802.11n. Max speed is 450Mbps. But The average speed is around 40-50Mbps at my home.
SSID 2(Wifi name 2): Spec is as same as SSID 1. But MAC address filtering is set as the default setting,That's why you can't use SSID 2 before changing settings.
SSID 3(Wifi name 3):802.11ac. Latest Wifi standard. Max speed is 1300Mbps. The average speed is 300 – 450Mbps at my home.

You can use SSID 1 for setting.

暗号化キー1(Password 1): SSID 1's default password
暗号化キー 2（Password 2）: SSID 2's default password
暗号化キー 3(Password 3): SSID 3's default password

<CAUTION>
Don't use SSID 3 for setting.
SSID 3 is 5Ghz. When you are doing settings,If router found the weather forcast rader waves,this device must stop using SSID 3. Often it make you troubles.

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STEP 4
Start web browser. Any web browser is ok.

Click the URL address bar. Then type "http://192.168.1.1" then Enter key.
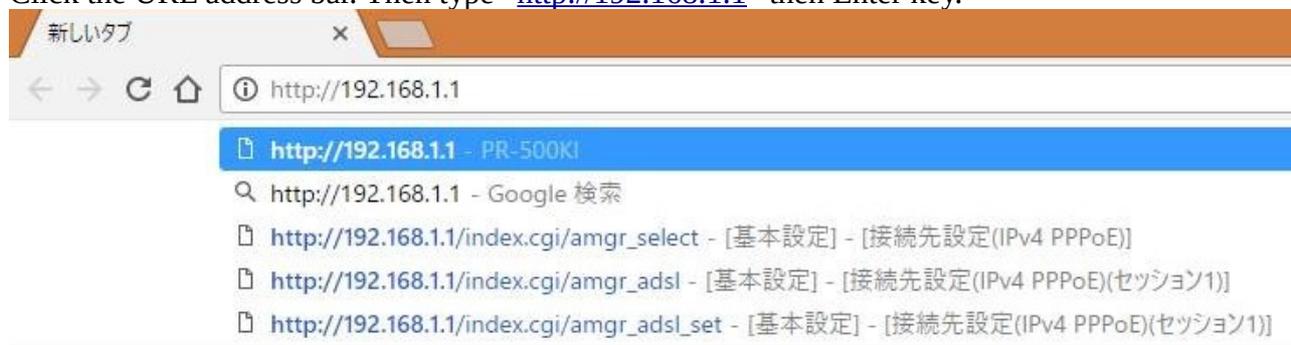
<CAUTION>
When google searched "http://192.168.1.1" by their searching engine. Once say "Bad boy Google!!!" then One more try.

You can see the following page.
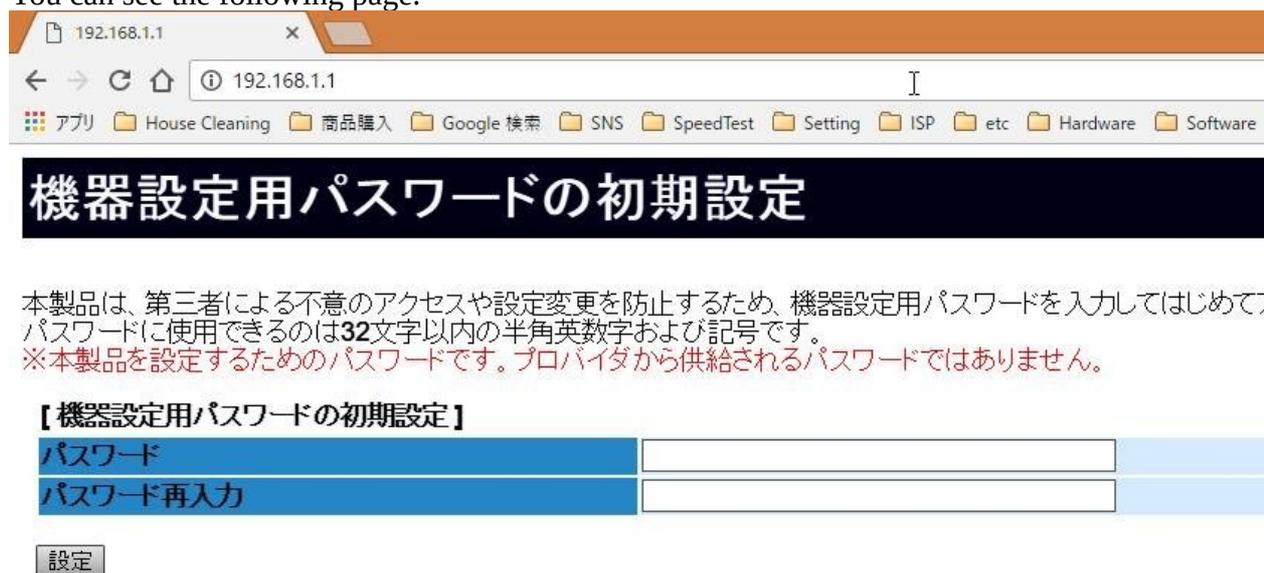
"機器設定用パスワードの初期設定"
It means the setup page of this device's administrator's password.

Please type "ryoa20f" in the first blank.
Please type "ryoa20f" in the second blank.

Then press "設定" butten. 設定 means Setting.(Often it means submit or excute)

then you can see small box. It means "Process has just done."
Press ok butten.

Finally you can see the mainpage of the setting.
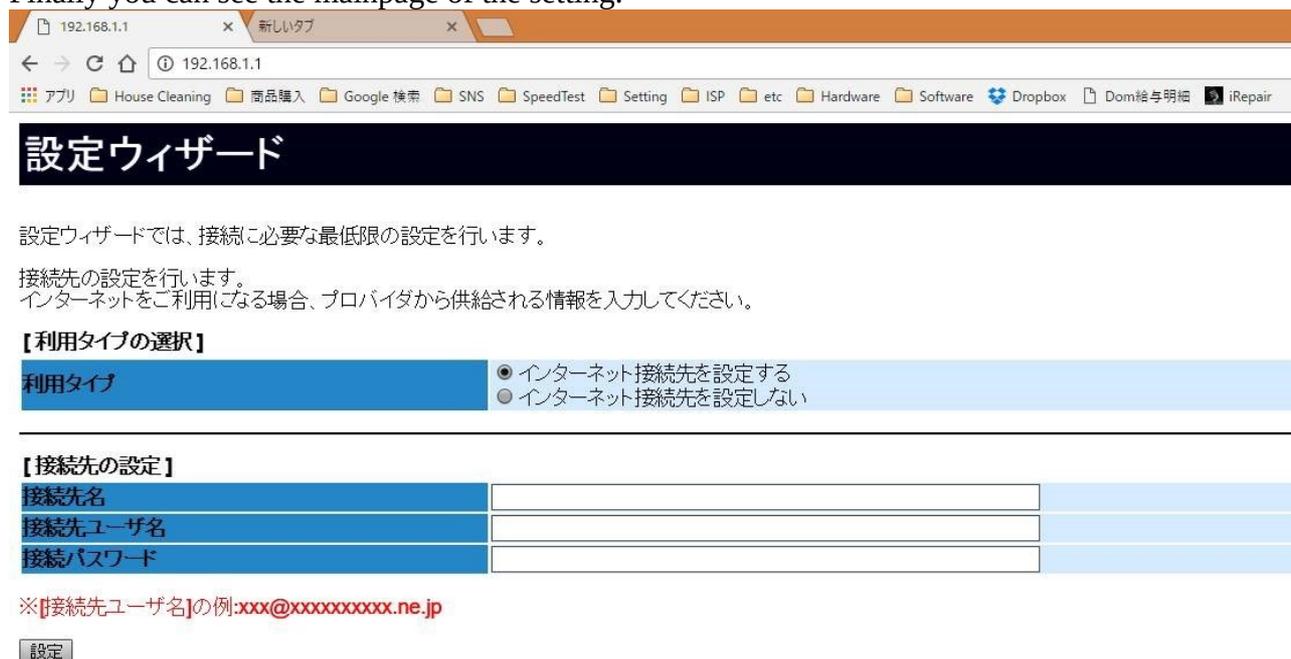
This page is setting for internet connection.
Prepair a letter from ISP (So-net,BiglobemOCN,SANNET,RakutenBB etc…)
On the first paperwork of the ISP,Your PPPoE connection ID and password are printed.

If you haven't received any letter from ISP…
Check your mail box again.
If you found small paper from post office…
You have to resister your name and address to post office.
If you don't know which words is ID and password on the paperwork, Take a picture then send it to
Ken Kinoshita. cablemanken007@gmail.com

On this web page,you can see 2 option buttens.
But ignore it…default setting is ok.

then you can see 3 blank boxes.

First blank box: connection name.
Any name is ok.But I recommend "NTT RakutenBB"(NTT and space and ISP's name)
When I check this router,I can know what ISP you are using now.

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Second blank box: PPPoE connection ID
Your ISP provides this ID by mail.

Third blank box: PPPoE connection password.
Your ISP provides this password by mail.

<CAUTION>
Softbank BB(Yahoo!BB) provides these ID and password by text message of cellphone. So don't delete this message.

About PPPoE connection ID
Each ISP provides you account ID. But this account ID isn't PPPoE connection ID.
For example of Rakuten
If your Rakuten ID is "ra1234567890", your PPPoE connection ID is "ra1234567890@m.rakutenbb.jp". But "m" is sometimes "s" or "f". It's not same word as the sub domain.

For example of SANNET
If your SANNET ID is "REX12123",your PPPoE connection ID is "REX12123@opt.sannet.ne.jp$186".
First 3 letters are often all uppercase. "opt" means home type internet."opti" means apartment type internet. "$186" don't mean SANNET activation fee is $186. "$186" means "This router need to inform NTT customer number(CAF or COP) to SANNET for security". No one can access to SANNET by your SANNET PPPoE account from the other houses and NTT's access lines.

For example of So-net
So-net customer ID is entirely different from So-net PPPoE connection ID. Be careful.

After you can fil in the blanks,press "設定"(setting) butten at the bottom of the screen.

After pressing "設定"butten…
PPP lamp can turn on.
And often System update starts running("アラーム（alarm）" butten turns to red). Please wait for 3 -5 min.When updating ended,NTT home gateway automatically restarts.

After restarting,you can start using internet service.
Congraturation!!!

STEP 5
If you wanna change Wifi name(SSID) and its password,...

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Consult me Ken Kinoshita.
I'm writing manual now.
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STEP 6
If you wanna set VPN service…
Consult me Ken Kinoshita too. Or check this my website.
http://cablemanken007.jimdo.com/how-to-setup/setup-router-for-unblock-us/

STEP 7
When your internet is something wrong…
Consult me Ken Kinoshita too.
I'm writing manual too.

STEP 8
Now I'm making website.But still under the constraction.
But often please check this website to get more informations.

Cheap SIM card order website
http://cablemanken007.jimdo.com/sim-card/sim-card-order/
Setup page for unblock-us
http://cablemanken007.jimdo.com/how-to-setup/setup-router-for-unblock-us/
Setup page for OCN cheap SIM card
http://cablemanken007.jimdo.com/how-to-setup/ocn-sim-card/
http://cablemanken007.wixsite.com/index/ocn-sim

This manual is written on October 23rd,2016 by Ken-ichiro Kinoshita (KEN internet and home support. KEN's tokyo)