



ALL-BM310

G.Fast Master Modem



Kurzanleitung

1. Standardwerte:

IP-Adresse	192.168.16.249
Benutzername	admin
Passwort	admin

ALL-BM310 auf Werkseinstellungen zurücksetzen:

Sollten Sie die Zugangsdaten für Ihren ALL-BM310 vergessen oder sich verkonfiguriert haben, können Sie das Gerät in die Werkseinstellungen zurücksetzen. Am Modem befindet sich ein Reset-Knopf. Betätigen Sie diesen Knopf für mindestens 15 Sekunden in laufendem Betrieb, um das Gerät in den Auslieferungszustand zurückzusetzen. Anschließend startet das Modem neu und Sie können sich mit den Standardwerten einloggen.

2. Front- und Backpanel



LED	Farbe	Status	Beschreibung
PWR (Power LED)	Grün	An (dauerhaft)	Gerät ist korrekt angeschlossen und betriebsbereit
		Aus	Netzteil ist nicht angeschlossen oder defekt
E1 – E4 (Ethernet LED)	Grün	An (dauerhaft)	Erfolgreich hergestellte Ethernet-Verbindung
		Blinkend	Geräte empfängt oder sendet Daten
		Aus	Keine Ethernet-Verbindung



Typ	Anschluss	Beschreibung
Reset	Reset-Taster	Durch Drücken des Reset-Knopf ist es möglich das Gerät neu zu starten oder auf die Werkseinstellungen zurückzusetzen. - Betätigen Sie den Knopf für 2-3 Sekunden, um einen Neustart zu initialisieren. - Betätigen Sie den Knopf für 15 Sekunden, um das Gerät auf Werkseinstellungen zurückzusetzen.
Power	DC-Anschluss	Anschluss für das Netzteil (12V DC / 2,5A)
Line	RJ-11	Zwei-Draht-Anschluss für die Verbindung mit einem Slave-Modem, z.B. ALL-BM300
Phone	RJ-11	Für die Verbindung einer analogen Telefonanlage oder eines analogen Telefons
Ethernet (E1 – E4)	RJ-45	Anschluss für ethernetfähige Geräte
U1 + U2	USB2.0 Typ A	USB-Steckplatz

3. Zugriff auf die Benutzeroberfläche

- Verbinden Sie Ihr ALL-BM310 mittels beigefügtem LAN Kabel mit Ihrem Netzwerk. Achten Sie dabei darauf, dass die Stecker hörbar einrasten.
- Das ALL-BM310 kommuniziert mit Hilfe des TCP/IP-Protokolls mit den angeschlossenen Komponenten. Damit das ALL-BM310 von Ihrem PC/MAC erkannt wird, müssen sich das ALL-BM310 und der PC/MAC im selben Netzwerksegment befinden.
Standardmäßig hat das ALL-BM310 folgende IP-Adresse:
192.168.16.249 –Benutzername und Passwort = admin
- Bitte stellen Sie nun den PC/MAC temporär auf eine freie Adresse zwischen 192.168.16.1 – 192.168.16.254 (nicht 192.168.16.249 – diese ist schon vom ALL-BM310 vorbelegt) ein.
Im Idealfall können Sie für Ihre PC-Netzwerkschnittstelle eine zweite IP-Adresse für den Bereich mit 192.168.16.xxx vergeben.
- Wenn Sie nun im Webbrowser (Firefox, Chrome, etc..) die Adresse 192.168.16.249 eingeben, erscheint die Login-Seite:

Please enter the username and password:

Username:

Password:

- e. Geben Sie die Benutzerdaten admin / admin ein und klicken Sie auf Login.

4. Ändern der IP-Adresse und der Benutzerdaten

Unter „Advanced > LAN > Configuration“ können Sie das ALL-BM310 Ihrem Netzwerk anpassen. Füllen Sie hierzu die nötigen Felder aus und bestätigen Sie Ihre Eingaben mit „Apply“.

Managed G.fast CO Modem ALL-BM310 admin Logout

Basic Advanced

WAN Internet

G.fast

LAN

Configuration

Devices Connected

System

Routing

Basic > LAN > Configuration

Local Network Settings

Configuration support to provide IP address to devices connected on the LAN side of the CPE. Applicable for all wired and wireless devices that requests for dynamic IP address

IPv4 IPv6

Configuration

Device IP Address

192.168.16.249

Subnet Mask

255.255.255.0

DHCP Mode

Disable

Apply Reset

IP Address Reservation

MAC Address	IP Address

+ Add

Es wird empfohlen, die Benutzerdaten zu ändern, um Zugriff durch Dritte zu vermeiden. Klicken Sie hierzu auf „Advanced > System > User Management“ und ändern Sie Ihre Zugangsdaten.

ALLNET Managed G.fast CO Modem ALL-BM310 admin Logout

Basic Advanced

WAN Internet G.fast LAN System Routing

Basic > System > User Management

User Management

Configure new users with add delete and modify options

Enable	Username	Role	Web	System, SSH & Telnet	FTP	Samba	Actions
☒	root	super_admin	☒	☒	☒	☒	
☒	admin	super_admin	☒	☒	☒	☒	
☒	ugw	admin	☒	☒	☒	☒	

Add

ALLNET Managed G.fast CO Modem ALL-BM310 admin Logout

Basic Advanced

WAN Internet G.fast LAN System Routing

Basic > System > User Management > Edit

User Management

Configure new users with add delete and modify options

Enable User ☒

Username Password

Web and System Access permissions:

Web Access ☒ System, SSH & Telnet Access ☒

File share permissions:

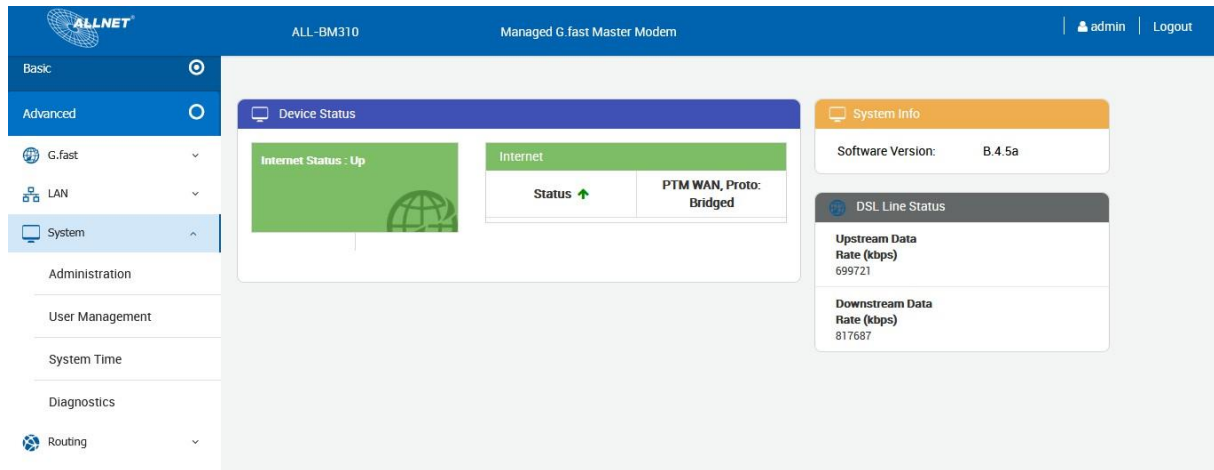
FTP Access ☐ Samba Access ☐

APPLY CANCEL

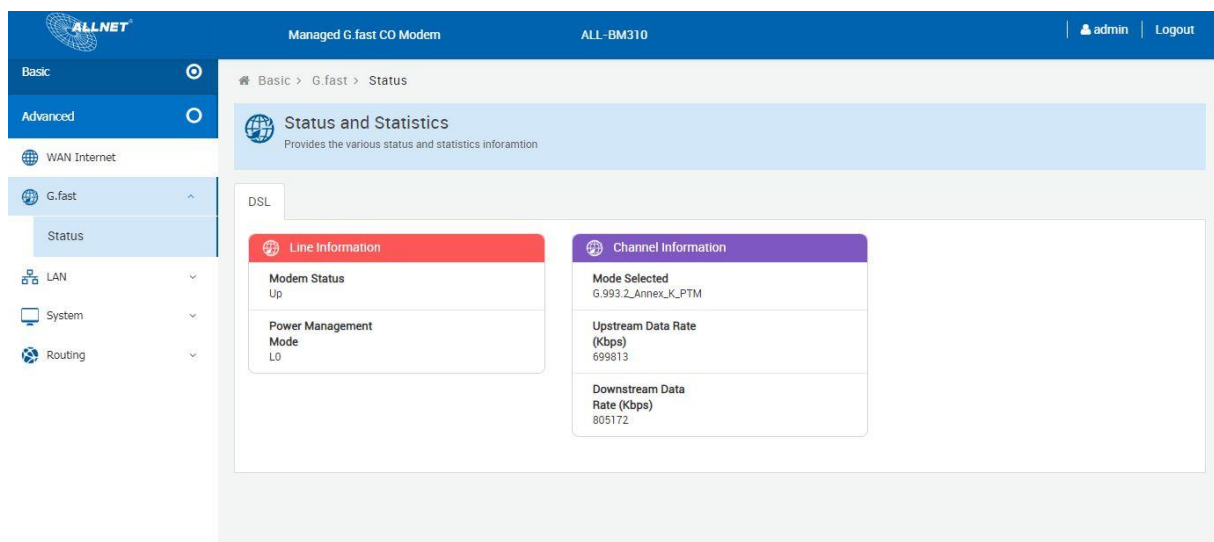
Bestätigen Sie Ihre Eingaben mit „Apply“.

5. DSL-Status

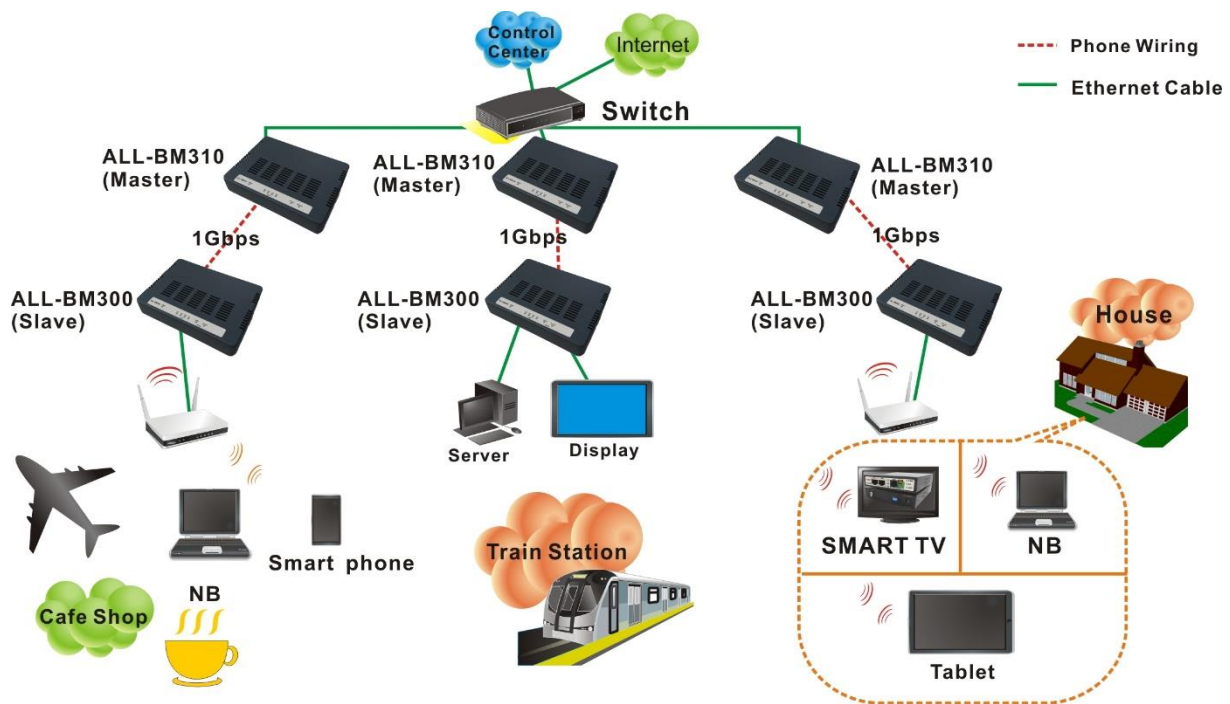
Im Benutzerinterface sehen Sie auf dem Homebildschirm Ihre Datenraten unter **„DSL Line Status“**.



Unter **„Advanced -> G.Fast > Status“** finden Sie noch weitere Informationen.



6. Anschlussbeispiel



WICHTIG:

Die Verbindung zwischen dem Master-Modem ALL-BM310 und dem Slave-Modem ALL-BM300 muss durch ein verdrehtes Zwei-Draht-Kabel erfolgen. Bei unverdrillten Zwei-Draht-Kabeln kann es zu Verbindungsverlusten oder keiner Synchronisation kommen.

Achten Sie zudem darauf, dass die mittleren beiden Pins des RJ-11-Steckers belegt sein müssen, da es sonst zu keiner Synchronisation kommt.

Wenn alles beachtet und richtig verbunden wurde, dann sollten die Geräte synchronisieren. Die Synchronisation erkennen Sie an der dauerhaft brennenden „G.Fast“-LED. Die Übertragung von Punkt A zu Punkt B ist erst dann möglich.

7. Sicherheitshinweise

Beachten Sie unbedingt folgende Hinweise:

- Öffnen Sie niemals das Gerät.
- Führen Sie niemals eine Installation während eines Gewitters durch.
- Stellen Sie sicher, dass Leitungen stolper- und trittsicher verlegt werden.
- Setzen Sie das Gerät im Betrieb niemals direkter Sonneneinstrahlung aus.
- Betreiben Sie das Gerät niemals in die Nähe von Wärmequellen.
- Stellen Sie das Gerät niemals auf Oberflächen, die wärmeempfindlich sind.
- Schützen Sie das Gerät vor Nässe, Staub, Flüssigkeiten und Dämpfen.
- Verwenden Sie das Gerät nicht in Feuchträumen und keinesfalls in explosionsgefährdeten Bereichen.
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Allgemein:

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Bitte verwenden Sie ausschließlich das mitgelieferte Netzteil.

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That's all there is to it!



ALL-BM310

G.Fast Master Modem



Quick Install Guide

9. Default values:

IP-Address	192.168.16.249
User Name	admin
Password	admin

Reset ALL-BM310 to factory settings:

If you have forgotten or configured the access data for your ALL-BM310, you can reset the device to the factory settings. There is a reset button on the modem. Press this button for at least 15 seconds during operation to reset the device to the factory settings. Afterwards the modem restarts and you can log in with the default values.

10. Front- and Backpanel



LED	Colour	Status	Description
PWR (Power LED)	Green	On (steady)	Device is correctly connected and ready for operation
		Off	Power supply is not connected or defective
E1 – E4 (Ethernet LED)	Green	On (steady)	Successfully established Ethernet connection
		Blinking	Device receive or send data
		Off	No Ethernet connection



Type	Connector	Description
Reset	Reset-Button	By pressing the reset button it is possible to restart the device or to reset it to the factory settings. - Press the button for 2-3 seconds to initialize a reboot. - Press the button for 15 seconds to reset the unit to factory settings.
Power	DC-Connector	Connection for the power supply (12V DC / 2,5A)
Line	RJ-11	Two-wire connection for connection to a slave modem, e.g. ALL-BM300
Phone	RJ-11	For connecting an analog telephone system or an analog telephone
Ethernet (E1 – E4)	RJ-45	Connection for Ethernet-capable devices
U1 + U2	USB2.0 Typ A	USB slot

11. Access to the user interface

- Connect your ALL-BM310 to your network using the included LAN cable. Make sure that the plugs engage audibly.
- The ALL-BM310 communicates with the connected components using the TCP/IP protocol. For your PC/MAC to recognize the ALL-BM310, the ALL-BM310 and the PC/MAC must be in the same network segment.

By default, the ALL-BM310 has the following IP address:

192.168.16.249 -username and password = admin

- Please set the PC/MAC temporarily to a free address between 192.168.16.1 - 192.168.16.254 (not 192.168.16.249 - this is already preset by ALL-BM310).

Ideally, you can assign a second IP address for the 192.168.16.xxx range for your PC network interface.

- If you now enter the address 192.168.16.249 in the web browser (Firefox, Chrome, etc..), the login page appears:

Please enter the username and password:

Username:

Password:

e. Enter the user data admin / admin and click on Login.

12. Changing the IP address and user data

At "Advanced > LAN > Configuration" you can adapt the ALL-BM310 to your network. Fill in the necessary fields and confirm your entries with "Apply".

The screenshot shows the ALLNET web interface for the ALL-BM310 modem. The left sidebar contains navigation links: Basic, Advanced, WAN Internet, G.fast, LAN, System, and Routing. The main content area is titled 'Local Network Settings' and shows the 'Configuration' tab for IPv4. The configuration fields are: Device IP Address (192.168.16.249), Subnet Mask (255.255.255.0), and DHCP Mode (Disable). There is also an 'IP Address Reservation' section with a table for MAC Address and IP Address, and an 'Add' button. The page has a top bar with 'Managed G.fast CO Modem' and 'ALL-BM310'.

It is recommended to change the user data in order to avoid access by third parties. To do this, click on " Advanced > System > User Management " and change your access data.

ALLNET Managed G.fast CO Modem ALL-BM310 admin Logout

Basic Advanced

WAN Internet G.fast LAN System Routing

Basic > System > User Management

User Management

Configure new users with add delete and modify options

Enable	Username	Role	Web	System, SSH & Telnet	FTP	Samba	Actions
☒	root	super_admin	☒	☒	☒	☒	
☒	admin	super_admin	☒	☒	☒	☒	
☒	ugw	admin	☒	☒	☒	☒	

Add

ALLNET Managed G.fast CO Modem ALL-BM310 admin Logout

Basic Advanced

WAN Internet G.fast LAN System Routing

Basic > System > User Management > Edit

User Management

Configure new users with add delete and modify options

Enable User ☒

Username Password

Web and System Access permissions:

Web Access ☒ System, SSH & Telnet Access ☒

File share permissions:

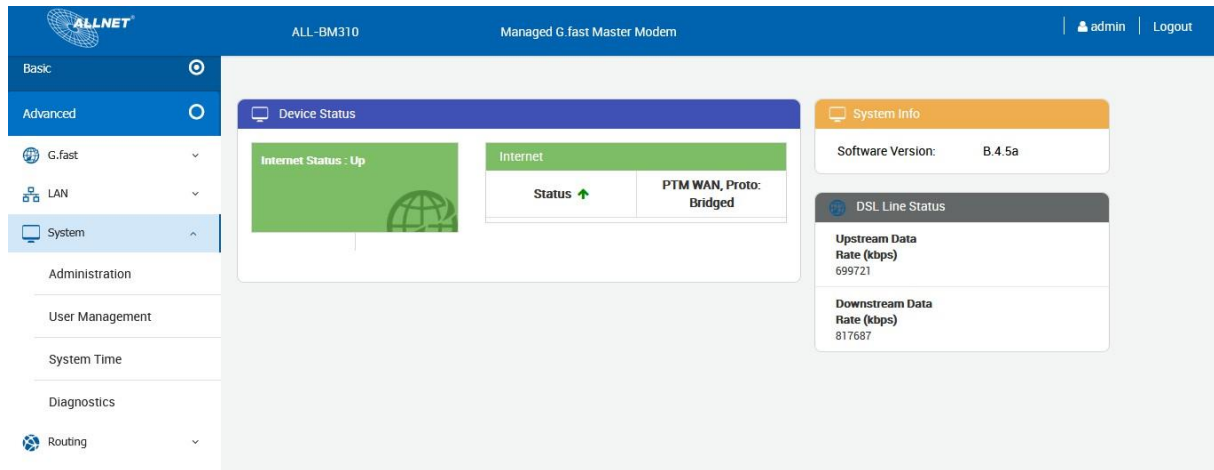
FTP Access ☐ Samba Access ☐

APPLY CANCEL

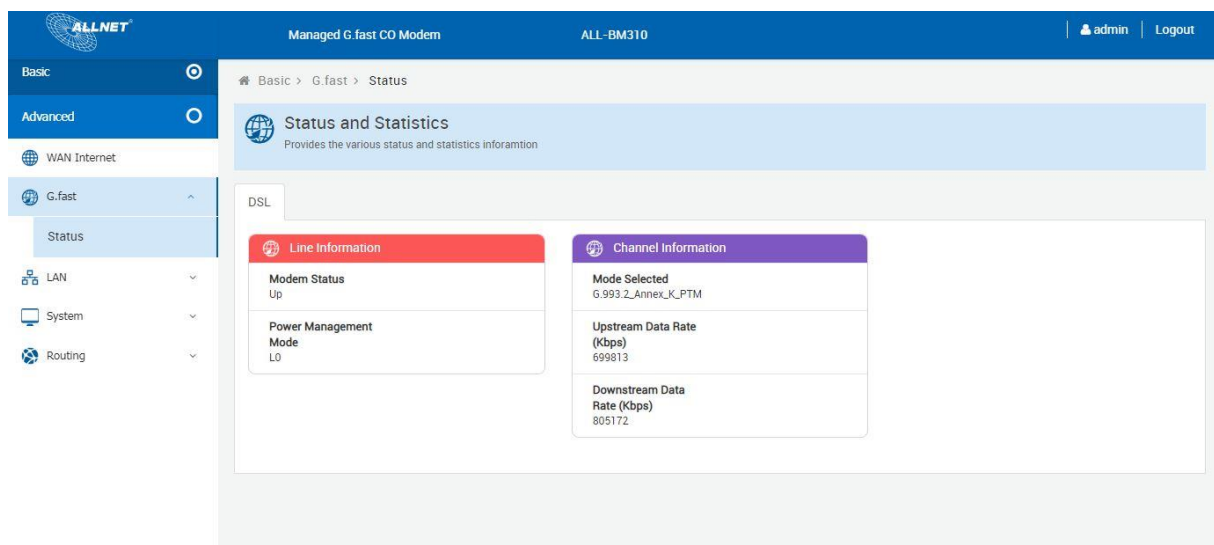
Confirm your entries with "Apply".

13. DSL-Status

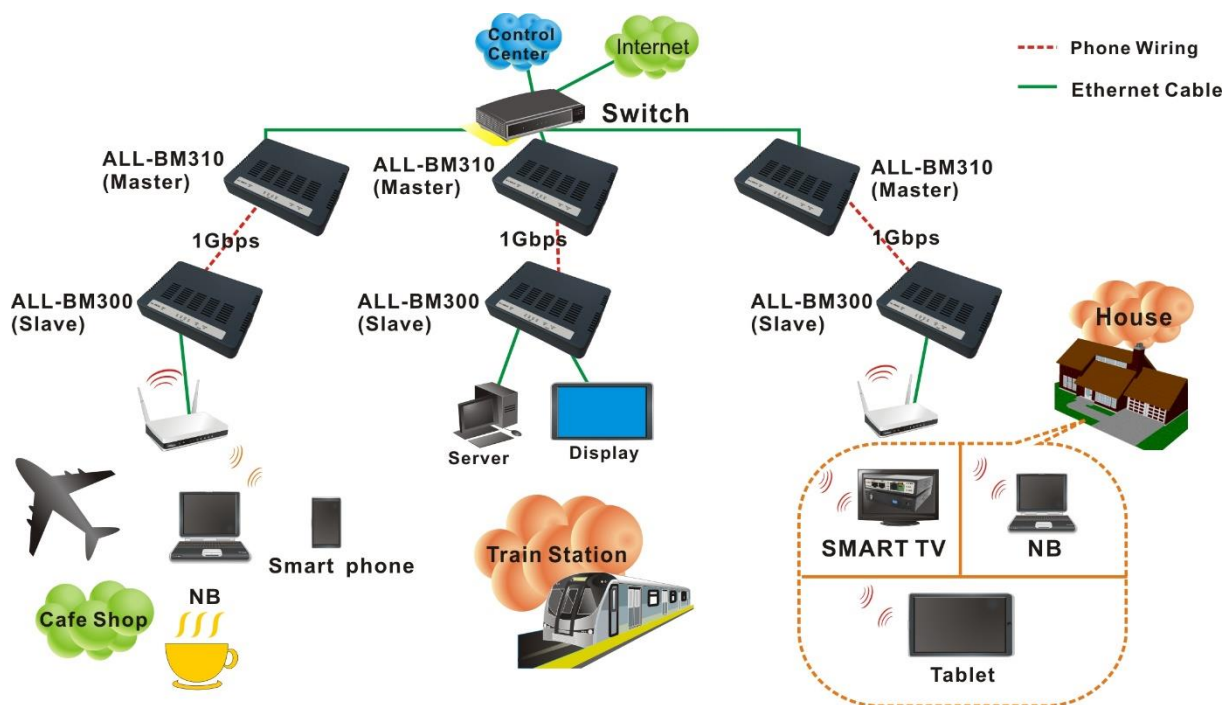
In the user interface you can see your data rates under "**DSL Line Status**" on the home screen.



Under "**Advanced -> G.Fast > Status**" you will find further information.



14. Connection example



IMPORTANT INFORMATION:

The connection between the master modem ALL-BM310 and the slave modem ALL-BM300 must be made by a twisted two-wire cable. With untwisted two-wire cables, connection losses or no synchronisation may occur.

Also make sure that the middle two pins of the RJ-11 connector are assigned, otherwise synchronization will not occur.

If everything has been observed and correctly connected, then the devices should synchronize. Synchronization is indicated by the permanently lit "G.Fast"-LED. The transfer from point A to point B is only then possible.



15. Safety Instructions

For your safety, be sure to read and follow all warning notices and instructions.

- Do not open the device. Opening or removing the device cover can expose you to dangerous high voltage points or other risks. Only qualified service personnel can service the device. Please contact your vendor for further information.
- Do not use your device during a thunderstorm. There may be a risk of electric shock brought about by lightning.
- Do not expose your device to dust or corrosive liquids.
- Do not use this product near water sources.
- Make sure to connect the cables to the correct ports.
- Do not obstruct the ventilation slots on the device.

16. CE & GPL

ALLNET GmbH Computersysteme declares that the device **ALL-BM310** is in compliance with the essential requirements and other relevant provisions of Directive 2014/30/EU. The Declaration of conformity can be found under this link:
www.allnet.de/downloads.html

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Version 2, June 1991

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