

## Request technical support if:

- The modem does not function following sudden impact
- Substances such as water went into the MODEM causing malfunction
- There is noticeable difference in basic functions
- The modem does not operate properly for other unknown factors

Contents of this manual may be changed without prior notice to improve product quality.

## FCC Compliance Statement

*Caution* : Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

*Note* : This equipment has been tested and found to comply with the limits for a Class B Digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable Protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance With the instructions, may cause harmful interference to radio communications, however, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by timing the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following Measures :

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer of an experienced radio/TV technician for help.

# Cable Modem SL2810 User's Manual

## Getting started

1. Check package contents  
SuperLink 2810 DOCSIS Certified Cable MODEM  
AC Adapter  
RJ45 Cable (Ethernet Cable)  
User's Manual
2. Check status  
SuperLink 2810 DOCSIS 2.0 Certified Cable MODEM has five different LEDs. When installing or using the modem, you can refer to the LED lights to check the status.

Name	Mode	Status
PWR	On	Modem is connected to power
LAN	Blinking	Data is being transmitted between PC &
	On	Modem is connected to PC through LAN
LINE	On	LINK configuration is complete
DATA	On	Data transmission is in progress
MAIL	On	Receiving mail (optional item)

## Specifications

Super Link 2810 is MCNS DOCSIS 2.0 standard compliant

### Downstream

- Data Rate : 30.34 Mbps (64QAM) / 42.88 Mbps(256QAM)
- Symbol rate : 5.056941 Msym/sec(64QAM)  
5.360537 Msym/sec(256QAM)
- Modulation : 64QAM / 256QAM
- Bandwidth : 6MHz
- Frequency Range : 88MHz to 860 MHz (edge-to-edge)  
in 62.5Khz steps
- Input signal level : -15 dBmv~+15dBmV
- Input Impedance : 75 ohms, nominal
- Ripple Loss : > 6dB from 88MHz to 860 Mhz

### Upstream

- Data rate : 160,320,640,1280,2560 ksym/sec
- Modulation : QPSK / 16QAM
- Bandwidth : 200,400,800,1600,3200KHz
- Frequency range : 5 to 42 MHz (edge-to-edge) in 1Hz steps
- Output signal level : 8 dBmV to 58 dBmV (QPSK)  
8 dBmV to 55 dBmV (16QPSK)

### Input DC Power

- AC adapter input : AC 110 / (50Hz ~60Hz)
- Cable Modem input : DC 9V/1.2A
- Power consumption : Max10W

### Physical Characteristics

- Dimension : 150(W) X 150(D)X 34(H) mm
- Weight : 1.1 lbs

### Suitable Environment

- Temperature while in use: 32~104°F (0~40°C)  
while in storage: 4~176°F (-20~80 °C)
- Humidity : 10~90%, non-condensing

## SuperLink 2810 Installation

1. Connect the CATV cable connector to Super Link 2810's RF terminal.
2. Connect the other end of CATV cable connector to the external terminal of CATV.
3. Connect your PC's RJ-45 port to Super Link 2810 using the RJ-45 cable.
4. Turn on the PC and plug the AC adapter to the electrical outlet. This should turn the MODEM on.
5. Check that the PWR, LAN, DATA, and LINE LED is on, and you are ready to start your high-speed data transfers. Please read over the LED status key on the first chapter for more Information.
6. Run WINIPCFG to check present network interface card's IP address, then click "Release" and "Renew". The installation is complete!

## Troubleshooting

### \* Caring for the MODEM

- Disconnect the power plug during cleaning or handling.
- Use a dry towel instead of a spray cleaner.
- Do not place anything in the modem through the air-ventilation hole.
- Touching the power unit can damage the modem and be a fire hazard
- To prevent the MODEM from being damaged during a thunderstorm, disconnect the power plug and coaxial cable in stormy weather and when you will be away on an extended vacation.

### \* Technical support

- If you encounter problems when using the MODEM, **do not** attempt disassemble and try to reassemble, repair and/or remodel it yourself. Taking the cover off can expose the MODEM to dangerous voltage or other damaging factors.
- Contact our technical support center at +82-2-2142-3000 or use the Q&A section of our website at <http://www.joohong.co.kr>