aethra telecommunications®

XV8800

LED Description

Function/ LED Color		OFF	ON	BLINKING
MOD1		N/A	N/A	N/A
MOD2		N/A	N/A	N/A
WIFI		WIRELESS interface is disabled	WIRELESS service activated	In/Out WIRELESS IP traffic
ETH0 GE1, 2, 3, 4, 5, 6. 7, 8		No device connected	Ethernet device connected to the port	In/Out IP traffic on the LAN
ETH1, 2		No device connected	Ethernet device connected to the port	In/Out IP traffic on the WAN
P O W E R /		CPE turned off	Device powered, no LTE connection is present	Start-up phase after power on or restart
LTE		CPE turned off	LTE connection active (without data traffic)	LTE connection active and data traffic on its interface

LED Colors are: Green, Red or Orange

CO: Central Office

CPE: Customer Premises Equipment

PWR/LTE LED Colors can be Green or Orange. Look at above the LED's behaviour

XV8800

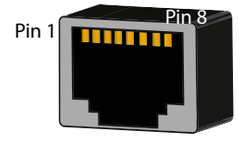
Connectors, Pin-out, Cables

Interface	Description	Connector	Functionality
Console	1-port Console	RJ45	RS232 Local Management
ETH0 GbE	8-port GbE Switch	RJ45	LAN connection
Eth WAN Combo1	1-port GbE Eth1	RJ45 / SFP	Ethernet / Optical Fiber WAN connection
Eth WAN Combo 2	1-port GbE Eth2	RJ45 / SFP	Ethernet / Optical Fiber WAN connection
USB1, 2	2-host USB ports	USB	Local storage devices connection

Console Port

Pin 1,2,7,8: Non connected
Pin 3: TX
Pin 4,5: Ground
Pin 6: RX

RJ 45 Pin - out



ETH0-ETH1-ETH2 GbE Ports

Pin 1: White orange
Pin 3: White green
Pin 4: Blu
Pin 5: White blu
Pin 6: Green
Pin 7 White brown
Pin 8 Brown

XV8800VE2WAC

LED Description

Function/ LED Color		OFF	ON	BLINKING
MOD1		A/VDSL2 Module not configured	VDSL2 or ADSL line(s) connected to the CO, 1 line at least	A/VDSL2 physical layer set up or failed connection (no line)
MOD2		N/A	N/A	N/A
WIFI		WIRELESS interface is disabled	WIRELESS service activated	In/Out WIRELESS IP traffic
ETH0 GE1, 2, 3, 4, 5, 6. 7, 8		No device connected	Ethernet device connected to the port	In/Out IP traffic on the LAN
ETH1, 2		No device connected	Ethernet device connected to the port	In/Out IP traffic on the WAN
P O W E R /		CPE turned off	Device powered, no LTE connection is present	Start-up phase after power on or restart
LTE		CPE turned off	LTE connection active (without data traffic)	LTE connection active and data traffic on its interface

LED Colors are: Green, Red or Orange

CO: Central Office

CPE: Customer Premises Equipment

PWR/LTE LED Colors can be Green or Orange. Look at above the LED's behaviour

XV8800VE2WAC

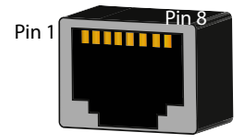
Connectors, Pin-out, Cables

Interface	Description	Connector	Functionality
A/VDSL2	2-port L1 - L2	RJ11	xDSL Line connection
Console	1-port Console	RJ45	RS232 Local Management
ETH0	8-port GbE Switch	RJ45	LAN Connection
ETH1 WAN Combo1	1-port GbE	RJ45 / SFP	Ethernet / Optical Fiber WAN connection
ETH2 WAN Combo 2	1-port GbE	RJ45 / SFP	Ethernet / Optical Fiber WAN connection
USB1, 2	2-host USB ports	USB	Local storage devices connection

Console Port

Pin 1,2,7,8: Non connected
Pin 3: TX
Pin 4,5: Ground
Pin 6: RX

RJ 45 Pin - out



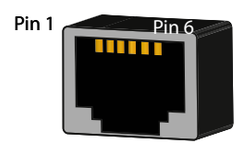
ETH0-ETH1-ETH2 GbE Ports

Pin 1: White orange
Pin 3: White green
Pin 4: Blu
Pin 5: White blu
Pin 6: Green
Pin 7 White brown
Pin 8 Brown

A/VDSL2 Ports

Pin 1,2,5,6 Non connected
Pin 3,4 Connected

RJ11 Pin - out



XV8800P1WAC

LED Description

Function/ LED Color		OFF	ON	BLINKING
MOD1		E1 Module not configured	PRI ISDN PBX connected to the CPE, up to 30 B channels	E1 physical layer set up or failed connection (no line)
MOD2		N/A	N/A	N/A
WIFI		WIRELESS interface is disabled	WIRELESS service activated	In/Out WIRELESS IP traffic
ETH0 GE1, 2, 3, 4, 5, 6. 7, 8		No device connected	Ethernet device connected to the port	In/Out IP traffic on the LAN
ETH1, 2		No device connected	Ethernet device connected to the port	In/Out IP traffic on the WAN
P O W E R /		CPE turned off	Device powered, no LTE connection is present	Start-up phase after power on or restart
LTE		CPE turned off	LTE connection active (without data traffic)	LTE connection active and data traffic on its interface

LED Colors are: Green, Red or Orange

CO: Central Office

CPE: Customer Premises Equipment

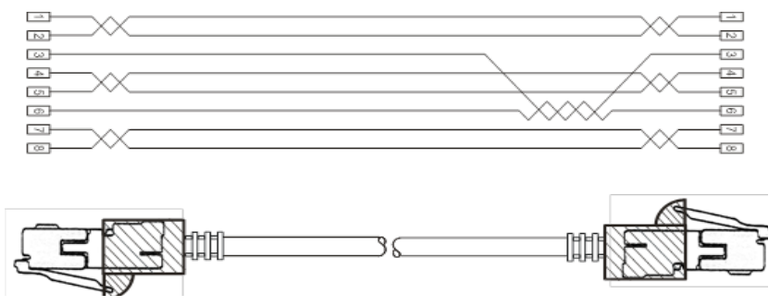
PWR/LTE LED Colors can be Green or Orange. Look at above the LED's behaviour

XV8800P1WAC

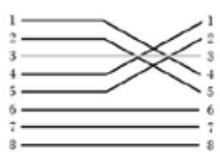
Connectors, Pin-out, Cables

Interface	Description	Connector	Functionality
E1	1-port PRI ISDN	RJ45	ISDN PRI PABX Connection
Console	1-port Console	RJ45	RS232 Local Management
ETH0	8-port GbE Switch	RJ45	LAN connection
ETH1 WAN Combo1	1-port GbE	RJ45 / SFP	Ethernet / Optical Fiber WAN connection
ETH2 WAN Combo 2	1-port GbE	RJ45 / SFP	Ethernet / Optical Fiber WAN connection
USB1, 2	2-host USB ports	USB	Local storage devices connection

PRI ISDN Cable Straight



PRI ISDN Cable Cross



Console Port

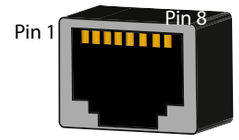
Pin 1,2,7,8:	Non connected
Pin 3:	TX
Pin 4,5:	Ground
Pin 6:	RX

PRI ISDN Port

Pin 3,6,7,8:	Non connected
Pin 1:	Rx (-)
Pin 2:	Rx (+)
Pin 4:	Tx (-)
Pin 5:	Tx (+)

Note: Console Port in "Aux" working mode, use RJ45-RJ45 cable with inverted pin (1-8, 2-7, 3-6, 4-5)

RJ 45 Pin - out



ETH0-ETH1-ETH2 GbE Ports

Pin 1:	White orange
Pin 3:	White green
Pin 4:	Blu
Pin 5:	White blu
Pin 6:	Green
Pin 7	White brown
Pin 8	Brown

XV8800plus-VG

LED Description

Function/ LED Color		OFF	ON	BLINKING
MOD1		N/A	N/A	N/A
MOD2		N/A	N/A	N/A
WIFI		WIRELESS interface is disabled	WIRELESS service activated	In/Out WIRELESS IP traffic
ETH0 GE1, 2, 3, 4, 5, 6. 7, 8		No device connected	Ethernet device connected to the port	In/Out IP traffic on the LAN
ETH1, 2		No device connected	Ethernet device connected to the port	In/Out IP traffic on the WAN
P O W E R /		CPE turned off	Device powered, no LTE connection is present	Start-up phase after power on or restart
LTE		CPE turned off	LTE connection active (without data traffic)	LTE connection active and data traffic on its interface

LED Colors are: Green, Red or Orange

CO: Central Office

CPE: Customer Premises Equipment

PWR/LTE LED Colors can be Green or Orange. Look at above the LED's behaviour

XV8800plus-VG

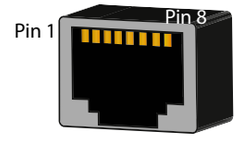
Connectors, Pin-out, Cables

Interface	Description	Connector	Functionality
BRI ISDN	2-port BRI ISDN	RJ45	TE/BRI ISDN PBX Connection
FXS	4-port FXS	RJ11	Analog Telephones or PBX Connection
Console	1-port Console	RJ45	RS232 Local Management
ETH0 GbE	8-port GbE Switch	RJ45	LAN connection
Eth WAN Combo1	1-port GbE Eth1	RJ45 / SFP	Ethernet / Optical Fiber WAN connection
Eth WAN Combo 2	1-port GbE Eth2	RJ45 / SFP	Ethernet / Optical Fiber WAN connection
USB1, 2	2-host USB ports	USB	Local storage devices connection

Console Port

Pin 1,2,7,8:	Non connected
Pin 3:	TX
Pin 4,5:	Ground
Pin 6:	RX

RJ 45 Pin - out



BRI ISDN Ports

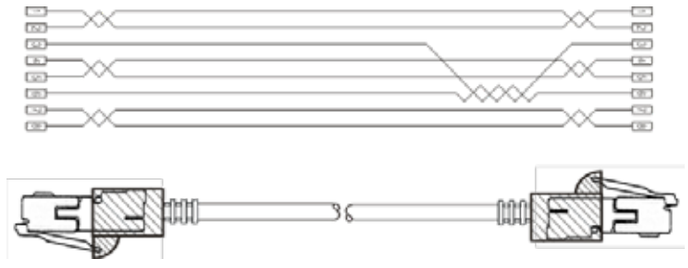
Pin 1,2,7,8:	Non connected
Pin 3:	Rx (+)
Pin 4:	Tx (+)
Pin 5:	Tx (-)
Pin 6:	Rx (-)

Note: Console Port in "Aux" working mode, use RJ45-RJ45 cable with inverted pin (1-8, 2-7, 3-6, 4-5)

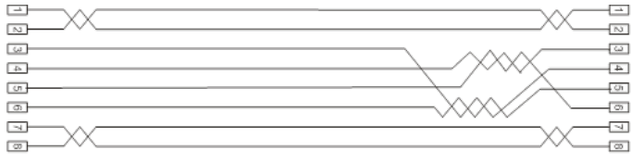
ETH0-ETH1-ETH2 GbE Ports

Pin 1:	White orange
Pin 3:	White green
Pin 4:	Blu
Pin 5:	White blu
Pin 6:	Green
Pin 7	White brown
Pin 8	Brown

BRI ISDN Cable straight NT configuration



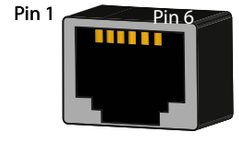
BRI ISDN Cable cross TE configuration



FXS Ports

Pin 1,2,5,6	Non connected
Pin 3,4	Connected

RJ11 Pin - out



XV8800plus-VG-VE2P1WAC

LED Description

Function/ LED Color		OFF	ON	BLINKING
MOD1		A/VDSL2 Module not configured	VDSL2 or ADSL line(s) connected to the CO, 1 line at least	A/VDSL2 physical layer set up or failed connection (no line)
MOD2		E1 Module not configured	PRI ISDN PBX connected to the CPE, up to 30 B channels	E1 physical layer set up or failed connection (no line)
WIFI		WIRELESS interface is disabled	WIRELESS service activated	In/Out WIRELESS IP traffic
ETH0 GE1, 2, 3, 4, 5, 6. 7, 8		No device connected	Ethernet device connected to the port	In/Out IP traffic on the LAN
ETH1, 2		No device connected	Ethernet device connected to the port	In/Out IP traffic on the WAN
P O W E R /		CPE turned off	Device powered, no LTE connection is present	Start-up phase after power on or restart
LTE		CPE turned off	LTE connection active (without data traffic)	LTE connection active and data traffic on its interface

LED Colors are: Green, Red or Orange

CO: Central Office

CPE: Customer Premises Equipment

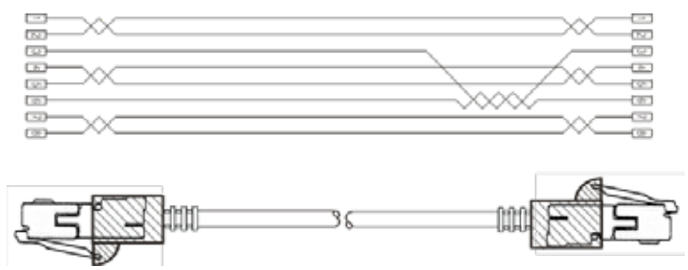
PWR/LTE LED Colors can be Green or Orange. Look at above the LED's behaviour

XV8800plus-VG-VE2P1WAC

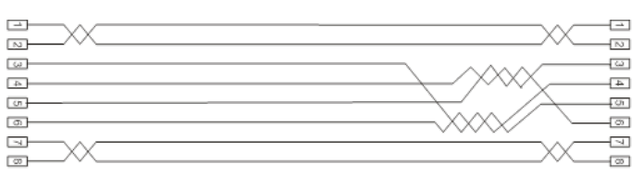
Connectors, Pin-out, Cables

Interface	Description	Connector	Functionality
A/VDSL2	2-port, L1 - L2	RJ11	A/VDSL2 Line connection
E1	1-port PRI ISDN	RJ45	ISDN PRI PABX Connection
BRI ISDN	2-port BRI ISDN	RJ45	TE/BRI ISDN PBX Connection
FXS	4-port FXS	RJ11	Analog Telephones or PBX Connection
Console	1-port Console	RJ45	RS232 Local Management
ETH0 GbE	8-port GbE Switch	RJ45	LAN connection
Eth WAN Combo1	1-port GbE Eth1	RJ45 / SFP	Ethernet / Optical Fiber WAN connection
Eth WAN Combo 2	1-port GbE Eth2	RJ45 / SFP	Ethernet / Optical Fiber WAN connection
USB1, 2	2-host USB ports	USB	Local storage devices connection

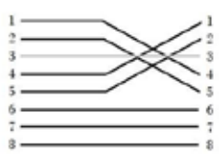
PRI and BRI ISDN Cable straight NT configuration



BRI ISDN Cable cross TE configuration



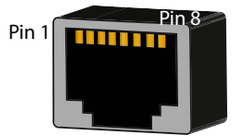
PRI ISDN Cable cross



Console Port

Pin 1,2,7,8:	Non connected
Pin 3:	TX
Pin 4,5:	Ground
Pin 6:	RX

RJ 45 Pin - out



PRI - BRI ISDN Ports

Pin 3,6,7,8:	*Pin 1,2,7,8:*	Non connected
Pin 2:	*Pin 3:*	Rx (+)
Pin 5:	*Pin 4:*	Tx (+)
Pin 4:	*Pin 5:*	Tx (-)
Pin 1:	*Pin 6:*	Rx (-)

Note: Console Port in "Aux" working mode, use RJ45-RJ45 cable with inverted pin (1-8, 2-7, 3-6, 4-5)

ETH0-ETH1-ETH2 GbE Ports

Pin 1:	White orange
Pin 3:	White green
Pin 4:	Blu
Pin 5:	White blu
Pin 6:	Green
Pin 7	White brown
Pin 8	Brown

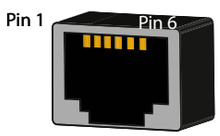
A/VDSL2 Ports

Pin 1,2,5,6	Non connected
Pin 3,4	Connected

FXS Ports

Pin 1,2,5,6	Non connected
Pin 3,4	Connected

RJ11 Pin - out



XV8800plus-VG-P2WAC

LED Description

Function/ LED Color		OFF	ON	BLINKING
MOD1		E1 Module not configured	PRI ISDN PBX connected to the CPE, up to 30 B channels	E1 physical layer set up or failed connection (no line)
MOD2		E1 Module not configured	PRI ISDN PBX connected to the CPE, up to 30 B channels	E1 physical layer set up or failed connection (no line)
WIFI		WIRELESS interface is disabled	WIRELESS service activated	In/Out WIRELESS IP traffic
ETH0 GE1, 2, 3, 4, 5, 6. 7, 8		No device connected	Ethernet device connected to the port	In/Out IP traffic on the LAN
ETH1, 2		No device connected	Ethernet device connected to the port	In/Out IP traffic on the WAN
P O W E R /		CPE turned off	Device powered, no LTE connection is present	Start-up phase after power on or restart
LTE		CPE turned off	LTE connection active (without data traffic)	LTE connection active and data traffic on its interface

LED Colors are: Green, Red or Orange

CO: Central Office

CPE: Customer Premises Equipment

PWR/LTE LED Colors can be Green or Orange. Look at above the LED's behaviour

XV8800plus-VG-P2WAC

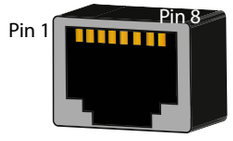
Connectors, Pin-out, Cables

Interface	Description	Connector	Functionality
E1	2-port PRI ISDN	RJ45	ISDN PRI PABX Connection
BRI ISDN	2-port BRI ISDN	RJ45	TE/BRI ISDN PBX Connection
FXS	4-port FXS	RJ11	Analog Telephones or PBX Connection
Console	1-port Console	RJ45	RS232 Local Management
ETH0 GbE	8-port GbE Switch	RJ45	LAN connection
Eth WAN Combo1	1-port GbE Eth1	RJ45 / SFP	Ethernet / Optical Fiber WAN connection
Eth WAN Combo 2	1-port GbE Eth2	RJ45 / SFP	Ethernet / Optical Fiber WAN connection
USB1, 2	2-host USB ports	USB	Local storage devices connection

Console Port

Pin 1,2,7,8:	Non connected
Pin 3:	TX
Pin 4,5:	Ground
Pin 6:	RX

RJ 45 Pin - out



PRI - BRI ISDN Ports

Pin 3,6,7,8:	*Pin 1,2,7,8:*	Non connected
Pin 2:	*Pin 3:*	Rx (+)
Pin 5:	*Pin 4:*	Tx (+)
Pin 4:	*Pin 5:*	Tx (-)
Pin 1:	*Pin 6:*	Rx (-)

Note: Console Port in "Aux" working mode, use RJ45-RJ45 cable with inverted pin (1-8, 2-7, 3-6, 4-5)

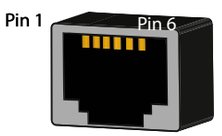
ETH0-ETH1-ETH2 GbE Ports

Pin 1:	White orange
Pin 3:	White green
Pin 4:	Blu
Pin 5:	White blu
Pin 6:	Green
Pin 7	White brown
Pin 8	Brown

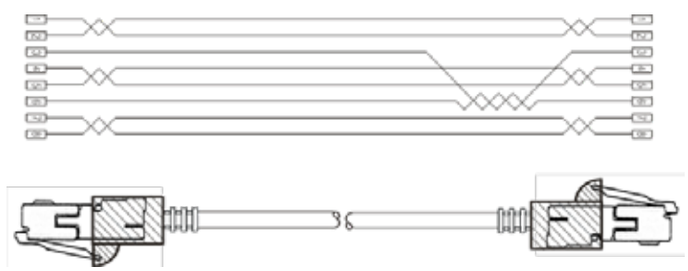
FXS Ports

Pin 1,2,5,6	Non connected
Pin 3,4	Connected

RJ11 Pin - out

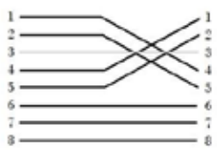


PRI and BRI ISDN Cable straight NT configuration



BRI ISDN Cable cross TE configuration

PRI ISDN Cable cross



XV8800plus-VG-S4P1WAC

LED Description

Function/ LED Color		OFF	ON	BLINKING
MOD1		E1 Module not configured	PRI ISDN PBX connected to the CPE, up to 30 B channels	E1 physical layer set up or failed connection (no line)
MOD2		ShDSL Module not configured	4-pair ShDSL line(s) connected to the CO, 1 line at least	ShDSL physical layer set up or failed connection (no line)
WIFI		WIRELESS interface is disabled	WIRELESS service activated	In/Out WIRELESS IP traffic
ETH0 GE1, 2, 3, 4, 5, 6. 7, 8		No device connected	Ethernet device connected to the port	In/Out IP traffic on the LAN
ETH1, 2		No device connected	Ethernet device connected to the port	In/Out IP traffic on the WAN
P O W E R /		CPE turned off	Device powered, no LTE connection is present	Start-up phase after power on or restart
LTE		CPE turned off	LTE connection active (without data traffic)	LTE connection active and data traffic on its interface

LED Colors are: Green, Red or Orange

CO: Central Office

CPE: Customer Premises Equipment

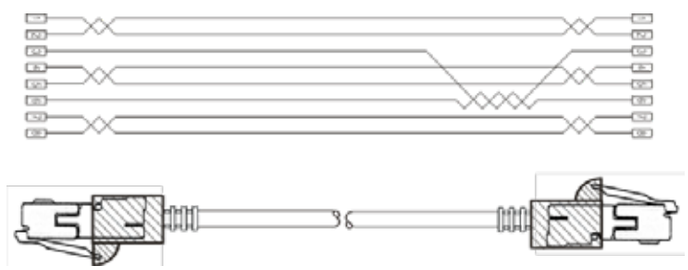
PWR/LTE LED Colors can be Green or Orange. Look at above the LED's behaviour

XV8800plus-VG-S4P1WAC

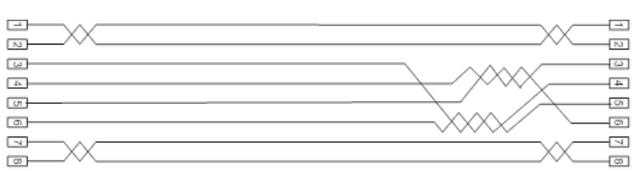
Connectors, Pin-out, Cables

Interface	Description	Connector	Functionality
ShDSL.bis	4-pair, L1 - L4	RJ11	1/2/4-pair ShDSL Lines connection
E1	1-port PRI ISDN	RJ45	ISDN PRI PABX Connection
BRI ISDN	2-port BRI ISDN	RJ45	TE/BRI ISDN PBX Connection
FXS	4-port FXS	RJ11	Analog Telephones or PBX Connection
Console	1-port Console	RJ45	RS232 Local Management
ETH0 GbE	8-port GbE Switch	RJ45	LAN connection
Eth WAN Combo1	1-port GbE Eth1	RJ45 / SFP	Ethernet / Optical Fiber WAN connection
Eth WAN Combo 2	1-port GbE Eth2	RJ45 / SFP	Ethernet / Optical Fiber WAN connection
USB1, 2	2-host USB ports	USB	Local storage devices connection

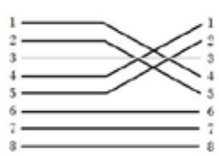
PRI and BRI ISDN Cable straight NT configuration



BRI ISDN Cable cross TE configuration



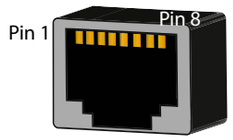
PRI ISDN Cable cross



Console Port

Pin 1,2,7,8:	Non connected
Pin 3:	TX
Pin 4,5:	Ground
Pin 6:	RX

RJ 45 Pin - out



PRI - BRI ISDN Ports

Pin 3,6,7,8:	*Pin 1,2,7,8:*	Non connected
Pin 2:	*Pin 3:*	Rx (+)
Pin 5:	*Pin 4:*	Tx (+)
Pin 4:	*Pin 5:*	Tx (-)
Pin 1:	*Pin 6:*	Rx (-)

Note: Console Port in "Aux" working mode, use RJ45-RJ45 cable with inverted pin (1-8, 2-7, 3-6, 4-5)

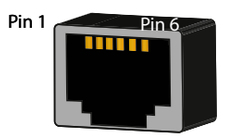
ETH0-ETH1-ETH2 GbE Ports

Pin 1:	White orange
Pin 3:	White green
Pin 4:	Blu
Pin 5:	White blu
Pin 6:	Green
Pin 7	White brown
Pin 8	Brown

ShDSL Ports

Pin 1,2,5,6	Non connected
Pin 3,4	Connected

FXS Ports

Pin 1,2,5,6	Non connected
Pin 3,4	Connected

RJ11 Pin - out