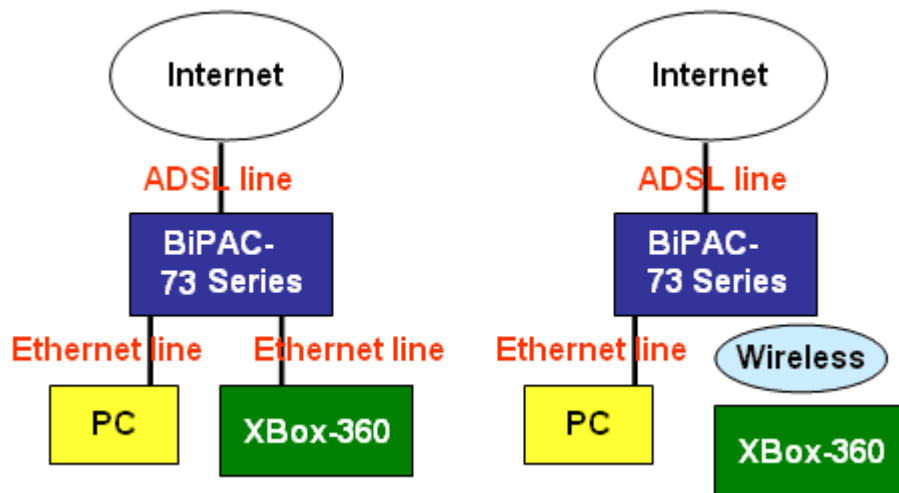


Is it really necessary for the three ports mentioned in Troubleshooting (UDP 88, UDP 3074, and TCP 3074) to be opened for Xbox Live to work properly?

Most cable/DSL routers implement Network Address Translation (NAT), as does Windows Internet Connection Sharing (ICS). For NAT devices, no port forwarding is required for Xbox Live to work. Port forwarding is required only if you are running a proxy server or true firewall instead of or in addition to a NAT.

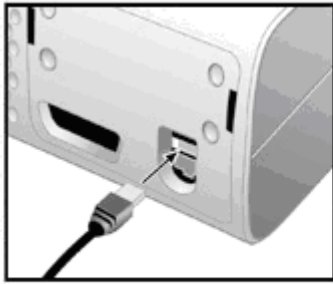
For BiPAC-73 Series, these ports (UDP 88, UDP 3074, and TCP 3074) have been opened in the default (Forward mode) and you don't need set anything in Packet Filter (Firewall). If you select "Drop Mode" in Default Rules of "Packet Filter" (Firewall), you need to make three ports mentioned by "Packet Filter" as below.

Diagram:

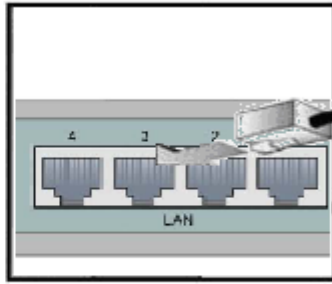


How To Connect Xbox 360 Game Consoles to the Router by Ethernet cable (RJ45)?

1. Connect one end of the Ethernet cable to another one of the Ethernet output (LAN) ports on the router. Connect the other end to the Ethernet port on the back of the Xbox 360 console.



Console



Router

2. Turn on the Xbox360 console and navigate to the wire settings screen. The menu path is "System -> Network Settings -> Edit Settings."

3. Save your settings and verify the network is functional. On the Xbox 360, use the "Test Xbox Live Connection" option to check whether a connection has successfully been made through the Internet to Xbox Live.

Tips:

1. If you're unable to connect to Xbox Live, the Xbox Dashboard provides an automatic network troubleshooter in the **System** area (under **Network Settings**) to help you connect.
2. If you like to know more detail regarding the setting of "XBox 360", please help to refer its User manual or its Website "<http://www.xbox.com/en-US/support/>".

How To Connect Xbox 360 Game Consoles to the Router by Wireless?

1. Connect the appropriate wireless network adapter to the console. On the Xbox, a Wi-Fi adapter that connects to the Ethernet port (sometimes also called a wireless network bridge) must be used. On the Xbox 360, a Wi-Fi adapter that connects to a USB port may alternatively be used.

2. Turn on the Xbox360 console and navigate to the wireless settings screen. The menu path is "System -> Network Settings -> Edit Settings."

3. Set the SSID (network name) on the Xbox 360 to match that of the wireless router. If your wireless router has enabled SSID broadcast, the SSID name should appear pre-selected on the Xbox display. Otherwise, select the "Specify Unlisted Network" option and enter the SSID there.

4. Specify "Infrastructure" as the Network Mode. Infrastructure is the mode used by wireless routers.

5. Set the Security Type to match that of the wireless router. If the wireless router uses WEP encryption, set up this option on the Xbox 360. If the wireless router uses WPA encryption, set up this same option on the Xbox 360.

6. Save your settings and verify the network is functional. On the Xbox 360, use the "Test Xbox Live Connection" option to check whether a connection has successfully been made through the Internet to Xbox Live.

Tips:

1. Wireless Security Settings Rejected.

When entering your wireless security settings, remember that WEP keys must be in hexadecimal (0-9, A-F) format and WPA passphrases may be alphanumeric (consisting of both letters and numbers).

2. Even when your wireless connection between the Xbox 360 and the router is working perfectly, you may still experience difficulty connecting to Xbox Live. These issues can be caused by the quality of your Internet connection or the firewall and Network Address Translation (NAT) settings of your wireless router. Additional troubleshooting may be required in these areas to achieve reliable Xbox Live connections.

3. If you like to know more detail regarding the setting of "XBox 360", please help to refer its User manual or its Website "<http://www.xbox.com/en-US/support/>".

Note:

Some copies of the instruction manual for the Xbox 360 Wireless Networking Adapter state that the adapter is compatible with the WPA2 security standard. At this time the adapter works only with WPA and WEP security.

If you select "Drop Mode" in Default Rules of "Packet Filter" (Firewall), you need to make three ports mentioned by "Packet Filter" as below.

For "Packet Filter" (Firewall), it supports two modes - "Drop" (Most ports will be blocked in default.) and "Forward" (Most ports will be allowed in default.) in Default Rules.

Packet Filter

Default Rules

Web GUI >> Configuration >> Firewall >> Packet Filter >> press "Add".

Note:

- a. After setting, please help to press "Return".

[Add UDP Port "88"]

Outgoing

Parameters			
Application Type	<input type="text" value="User Defined"/> (You may select a predefined packet filtering profile for a well-known application here.)		
Parameters			
Name	<input type="text" value="udp88out"/>	Packet Flow	<input checked="" type="radio"/> Outgoing(Local to Remote) <input type="radio"/> Incoming(Remote to Local)
Active	<input type="text" value="Yes"/>	Packet Type	<input type="text" value="Udp"/>
Log	<input type="text" value="No"/>	Action When Matched	<input type="text" value="Forward"/>
Local Machine IPs	from <input type="text"/> to <input type="text"/>		
Remote Machine IPs	from <input type="text"/> to <input type="text"/>		
Local Application Ports	from <input type="text"/> to <input type="text"/>		
Remote Application Ports	from <input type="text" value="88"/> to <input type="text" value="88"/>		
Schedule Time	<input checked="" type="radio"/> Always		
	<input type="radio"/> Schedule from <input type="text" value="08"/> : <input type="text" value="00"/> to <input type="text" value="18"/> : <input type="text" value="00"/>		
	<input type="checkbox"/> Sun <input type="checkbox"/> Mon <input type="checkbox"/> Tue <input type="checkbox"/> Wed <input type="checkbox"/> Thu <input type="checkbox"/> Fri <input type="checkbox"/> Sat		
<input type="text" value="Return"/>		<input type="text" value="Cancel"/>	

Incoming

Parameters			
Application Type	<input type="text" value="User Defined"/> (You may select a predefined packet filtering profile for a well-known application here.)		
Parameters			
Name	<input type="text" value="udp88in"/>	Packet Flow	<input type="radio"/> Outgoing(Local to Remote) <input checked="" type="radio"/> Incoming(Remote to Local)
Active	<input type="text" value="Yes"/>	Packet Type	<input type="text" value="Udp"/>
Log	<input type="text" value="No"/>	Action When Matched	<input type="text" value="Forward"/>
Local Machine IPs	from <input type="text"/> to <input type="text"/>		
Remote Machine IPs	from <input type="text"/> to <input type="text"/>		
Local Application Ports	from <input type="text" value="88"/> to <input type="text" value="88"/>		
Remote Application Ports	from <input type="text"/> to <input type="text"/>		
Schedule Time	<input checked="" type="radio"/> Always		
	<input type="radio"/> Schedule from <input type="text" value="08"/> : <input type="text" value="00"/> to <input type="text" value="18"/> : <input type="text" value="00"/>		
	<input type="checkbox"/> Sun <input type="checkbox"/> Mon <input type="checkbox"/> Tue <input type="checkbox"/> Wed <input type="checkbox"/> Thu <input type="checkbox"/> Fri <input type="checkbox"/> Sat		
<input type="text" value="Return"/>		<input type="text" value="Cancel"/>	

[Add TCP Port "3074"]

Outgoing

Parameters			
Application Type	User Defined (You may select a predefined packet filtering profile for a well-known application here.)		
Parameters			
Name	tcp3074out	Packet Flow	<input checked="" type="radio"/> Outgoing(Local to Remote) <input type="radio"/> Incoming(Remote to Local)
Active	Yes	Packet Type	Tcp
Log	No	Action When Matched	Forward
Local Machine IPs	from [] to []		
Remote Machine IPs	from [] to []		
Local Application Ports	from [] to []		
Remote Application Ports	from 3074 to 3074		
Schedule Time	<input checked="" type="radio"/> Always <input type="radio"/> Schedule from [08 : 00] to [18 : 00] <input type="checkbox"/> Sun <input type="checkbox"/> Mon <input type="checkbox"/> Tue <input type="checkbox"/> Wed <input type="checkbox"/> Thu <input type="checkbox"/> Fri <input type="checkbox"/> Sat		
Return Cancel			

Incoming

Parameters			
Application Type	User Defined (You may select a predefined packet filtering profile for a well-known application here.)		
Parameters			
Name	tcp3074in	Packet Flow	<input type="radio"/> Outgoing(Local to Remote) <input checked="" type="radio"/> Incoming(Remote to Local)
Active	Yes	Packet Type	Tcp
Log	No	Action When Matched	Forward
Local Machine IPs	from [] to []		
Remote Machine IPs	from [] to []		
Local Application Ports	from 3074 to 3074		
Remote Application Ports	from [] to []		
Schedule Time	<input checked="" type="radio"/> Always <input type="radio"/> Schedule from [08 : 00] to [18 : 00] <input type="checkbox"/> Sun <input type="checkbox"/> Mon <input type="checkbox"/> Tue <input type="checkbox"/> Wed <input type="checkbox"/> Thu <input type="checkbox"/> Fri <input type="checkbox"/> Sat		
Return Cancel			

[Add UDP Port "3074"]

Outgoing

Parameters			
Application Type	User Defined (You may select a predefined packet filtering profile for a well-known application here.)		
Parameters			
Name	udp3074out	Packet Flow	<input checked="" type="radio"/> Outgoing(Local to Remote) <input type="radio"/> Incoming(Remote to Local)
Active	<input checked="" type="checkbox"/> Yes	Packet Type	Udp
Log	<input type="checkbox"/> No	Action When Matched	Forward
Local Machine IPs	from to		
Remote Machine IPs	from to		
Local Application Ports	from to		
Remote Application Ports	from 3074 to 3074		
Schedule Time	<input checked="" type="radio"/> Always		
	<input type="radio"/> Schedule from 08:00 to 18:00		
	<input type="checkbox"/> Sun <input type="checkbox"/> Mon <input type="checkbox"/> Tue <input type="checkbox"/> Wed <input type="checkbox"/> Thu <input type="checkbox"/> Fri <input type="checkbox"/> Sat		
<input type="button" value="Return"/>		<input type="button" value="Cancel"/>	

Incoming

Parameters			
Application Type	User Defined (You may select a predefined packet filtering profile for a well-known application here.)		
Parameters			
Name	udp3074in	Packet Flow	<input type="radio"/> Outgoing(Local to Remote) <input checked="" type="radio"/> Incoming(Remote to Local)
Active	<input checked="" type="checkbox"/> Yes	Packet Type	Udp
Log	<input type="checkbox"/> No	Action When Matched	Forward
Local Machine IPs	from to		
Remote Machine IPs	from to		
Local Application Ports	from 3074 to 3074		
Remote Application Ports	from to		
Schedule Time	<input checked="" type="radio"/> Always		
	<input type="radio"/> Schedule from 08:00 to 18:00		
	<input type="checkbox"/> Sun <input type="checkbox"/> Mon <input type="checkbox"/> Tue <input type="checkbox"/> Wed <input type="checkbox"/> Thu <input type="checkbox"/> Fri <input type="checkbox"/> Sat		
<input type="button" value="Return"/>		<input type="button" value="Cancel"/>	

After setting three ports mentioned (UDP 88, UDP 3074, and TCP 3074) by "Packet Filter", these ports will be listed in the "Parameters".

Packet Filter

Default Rules ▼

Parameters

	Name	Application Type	Active	Flow	Packet Type	Action	Log	Schedule Time
<input type="radio"/>	tcp3074out	User Defined	Yes	Out	Tcp	Forward	No	Always
<input type="radio"/>	udp3074out	User Defined	Yes	Out	Udp	Forward	No	Always
<input type="radio"/>	tcp3074in	User Defined	Yes	In	Tcp	Forward	No	Always
<input type="radio"/>	udp3074in	User Defined	Yes	In	Udp	Forward	No	Always
<input type="radio"/>	udp88out	User Defined	Yes	Out	Udp	Forward	No	Always
<input checked="" type="radio"/>	udp88in	User Defined	Yes	In	Udp	Forward	No	Always

Default Rules Drop mode cannot be enabled without any rules. Doing so could block all access to the Internet.

Note:

- a. After setting three ports mentioned by "Packet Filter", please help to press "Apply".

Please help to press "SAVE Config" and the setting of "Packet Filter" (Firewall) is completed.