

Output File

Server

Input

Output

[valid port number]

Waiting for connection...

[invalid port number]

Port number is larger than maxium/Invalid port number

Client

System Status

Input

Command type

Output

Set up Client

[IP address]

Valid/invalid IP address

Please input server port.

[port number]

Invalid address

Connection refused

[port number]

Invalid IP address

Name or service unknown

Please try other server, bye!

[port number]

Valid IP and Port

Connecting with server. Your IP is [IP:PORT]

Client processing

p2p -h

Valid command

[help document]

[ILLEGAL COMMAND]

Invalid command

Invalid command. Try 'p2p -h' for more help

[COMMAND]

Disconnect

Cannot connect to server. Please try again

ready to connect

Please input host ip address

p2p -r [ FILEPATH]

Valid file path and not exist in server index

This file have been registered successfully.

p2p -r [ FILEPATH]

Invalid file path

Invalid file path in this client. Please check your file path

p2p -r [ FILEPATH]

Registered file

You have registered this file. Before you registered this file, you need cancel this file from server.

p2p -f [KEYWORK]

Matched files

FILENAME IP PATH

filename ip:port path  
...

p2p -f [KEYWORK]  
No matched files  
FILENAME IP PATH

P2p -o [IP:PORT PATH]>[SAVEPATH]  
Valid path  
valid save path  
[PATH]>[SAVEPATH] complete

P2p -o [IP:PORT PATH]>[SAVEPATH]  
Invalid path  
Invalid path in requested peer

P2p -o [IP:PORT PATH]>[SAVEPATH]  
Invalid save path  
This is a invalid save path. Please input right path.

P2p -q  
Valid command  
Bye!  
Performance Testing  
P2p -Rtest  
Valid  
Test files have been registered.

P2p -Rdownload  
Valid  
Download testing complete.