Outline

Relay Server



Preparation

Run "mulka2node.cmd" on a PC which have static IP address/domain.

If you install Mulka2 to C:/Program Files/Mulka2, "mulka2node.cmd" will be found there.

The PC using to run it must have static IP address/domain which can access from other PC via internet. If you can use static IP address, dynamic DNS system will be available.



This program listen TCP 2035, 2036 and 2038.

Please set up your firewall to permit to receive this port.

If your PC is inside a router, you also must set up NAT setting.

This PC is called 'relay server'.

PC of the Finish Area

Connect to the internet by using 3G cell phone. (IP address of this PC given must be global address)

Start Mulka2

Click Net Manager



Select data folder (For test, select "Sample") and click "OK"

Ø Connect
Server mode Olient mode
Select data folder.
Sample OK
Start the listener.
Use default port. 2035

On the Tool menu, o	click "Remote Monitor"
---------------------	------------------------

💋 Networ	rk Manager	- Mulka 2		
Network	Tool			
Launch	Remote	Monitor		Ver.2.08 Pre.7
Network N	Remote	Monitor 2	Network Tree	View
Status Remote H	Passwo	rd	[stout2]	Manager - Ver.2.08 Pre.7
Folder Node Addre	C: ³ ess str	¥¥Sample		
Listener Auto Rackur	Act	tive (stout2)		
No. IP	Address	Node Name	Description Last Receiv	
			This is the root node.	
Data Lock V	/iew			
Object ID	Authorize	ed Node Lock II	Date	
Network Err	ror View			
Time N	No. Node I	Name Descri	ption	
•			b	
,				

Input IP address/domain of PC which is using mulka2node (relay server PC) on Remote Node Monitor View and click "Connect" button

😥 Network Manager - Mulka 2	
Network Tool	
Launch 🕨 🕖 Main Window 🕖 Other Program Ver.2.08 Pre.7	
Network Node View Remote Node Monitor	
Status Online matoba.dip.jp Connect Remote Host Data Folder matoba.dip.jp Connect Folder Vector Stout2 Listener Nude Backup Inactive Inactive Inactive	
No. IP Address Node Name Description Last Receiv	
This is the root node.	
Network Tree View	
Data Lock View Store 7	
Object ID Authorized Node I Lock ID Date	
Network Error View	
<>	

If the PC connect to relay server PC successfully, status of the relay server is shown as "Offline" on the view. Click "Call Back"

🕖 Network Manager - Mulka 2	
Network Tool	
Launch 🕨 💋 Main Window 💋 Other Program	Ver.2.08 Pre.7
Network Node View	Remote Node Monitor
Status Online Remote Host Data Folder Folder 🖉 C:¥ ¥Sample Node Address stout2	matoba.dip.jp Disconnect
Listener Active (stout2)	
No. IP Address Node Name Description Last Receiv	
This is the root node.	
	CallBack
▼	Network Tree View
Data Lock View	[stout2] Manager - Ver.2.08 Pre.7
Object ID Authorized Node I Lock ID Date	
Network Error View	
Time No. Node Name Description	
K	

If the relay server PC connect to the PC in finish area successfully, the status will be changed to "Online"

Ø Network Manager - Mulka 2		
Network Tool		
Launch 🕨 Ø Main Window	💋 Other Program	Ver.2.08 Pre.7
Network Node View		Remote Node Monitor
Status Online Remote Host Data Folder Folder C+ ¥Sample Node Address stout2 Listener Active (stout2) Auto Backup Inactive		matoba.dip.jp Disconnect 22:17 Connect 192.168.3.103
No. IP Address Node Name	Description Last Receiv 🔺	
C01 102 168 2 121	This is the root node.	
C01 192.168.3.121 server	Manager 22:17:19	
		Network Tree View
Data Lock View		[stout2] Manager - Ver.2.08 Pre.7
Object ID Authorized Node Lock ID	Date	
Notwork Error View		
Time No. Node Name Descrip	ption	
•	4	

Click Main Window button	, then Main Window appear.
--------------------------	----------------------------

💋 Network Manager - Mulka 2			x
Network Tool			
Launch 🕨 🗭 Main Window	er Program		Ver.2.08 Pre.7
Network Node View		Remote Node Monitor	
Status Online Remote Host Data Folder		matoba.dip.jp	Disconnect
Folder 🖉 C:¥ ¥Sample Node Address stout2			
Listener Active (stout2) Auto Backup Inactive		22:17 Connect 192.168.	3.103
No. IP Address Node Name	Description Last Receiv		
	This is the root node.		
C01 192.168.3.121 server	Manager 22:17:19		Release
		Online	Kelease
		Network Tree View	
Data Lock View		[stout2] Manager - [server] Manager -	Ver. 2.08 Pre. 5
Object ID Authorized Node Lock ID	Date	[berver] Honager	
Network Error View			
Time No. Node Name Descrip	tion		
Image: A labeled and the second se	4		
		1	

On the Emit/SI menu, click Emit card reader. Change mode to "Competition Mode" and click "Connect". Set EMIT-card to reader. The results will be downloaded and be sended to Event Center automatically.

PC of the Event Center

Connect to the internet by using 3G cell phone.

Start Mulka2

Click Net Manager



Click X to close this dialog. (don't click OK)

Ø Connect	
Server mode Olient mode	_ 1
Select data folder.	
Sample OK	
✓ Start the listener.	
Use default port. 2035	

On the Tool menu, click "Remote Monitor"

Input IP address/domain of relay server on Remote Node Monitor View and click "Connect" button

When the PC of finish area are ready, the status will be changed to "Online".

🕖 Network Manager - Mulka 2	
Network Tool	
Launch 🕨 💋 Main Window 💋 Other Program	Ver.2.08 Pre.7
Network Node View	Remote Node Monitor
Status Offine Remote Host Folder Node Address Listener Inactive	matoba.dip.jp Disconnect
No III TR Address Node Name Description Last Pereiv	-
	Online lease
	Network Tree View
Deteration	nethold nee new
Object ID Authorized Node Lock ID Date	
Network Error View	
Time No. Node Name Description	
4][]

On the Network menu, click "Connect", then this dialog appear again.



Select client tab and type matoba.dip.jp, then click "OK"

Ø Connect	
Server mode Client mode	
Enter host IP address or computer	's name to connect ▼
🔽 Start the listener.	Backup data.
Use default port. 2035	

If the PC of Event Center connect to relay server successfully, status on the Network Node View will be changed from Offline to Online.

Ø Network Manager - Mulka 2	
Network Tool	
Launch 🕨 🕖 Main Window 🛛 🗭 Other Program	Ver.2.08 Pre.7
Network Node View	Remote Node Monitor
Status Online Remote Host server	matoba.dip.jp Disconnect
Folder [stout2] C:¥ ¥Sample Node Address stout2(1)server(1)stout2	
Listener Listen Failed	22:32 Client Connected (1) stout2 Mana 22:32 Client Connecting (1)
No. II IP Address Node Name Description Last Receiv	
R 192.168.3.121 server Manager 22:32:20	
	Release
	Network Tree View
Data Lock View	stout2] Manager - Ver.2.08 Pre.7
Object ID Authorized Node I Lock ID Date	stout2] Manager - Ver.2.08
Network Error View	
Time No. Node Name Description コン 20 20 Listence failed アレルフログ使用ギカア(います)	-
22:52:20 Listener failed / F 0X/M2/HC410004.9%	
• • • • • • • • • • • • • • • • • • •	< >

Click Main Window button.

Main Window will be appear.

This window on Event Center PC is synchronized with the Finish Area PC.