EXPERT STITCH MANAGER
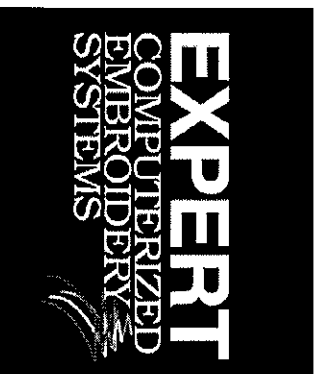
Software to help you manage your design library and your production

Instruction manual

(tentative version)

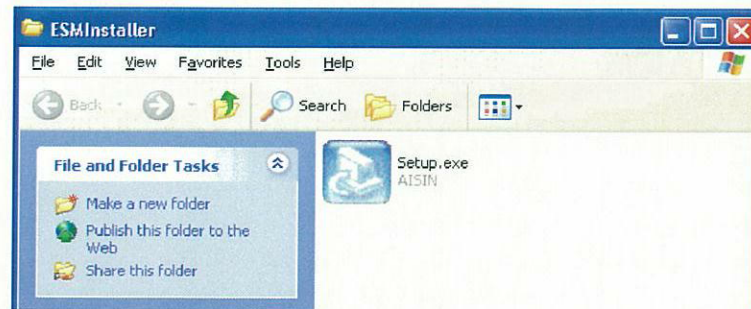**EXPERT**
COMPUTERIZED
EMBROIDERY
SYSTEMS

-Index-

I. INSTALLATION

1. Start installation by double-click the Setup.exe

In case the below dialogue shows up, it means installation is done.
When the older version has been installed, uninstall of the older version
will start by clicking OK
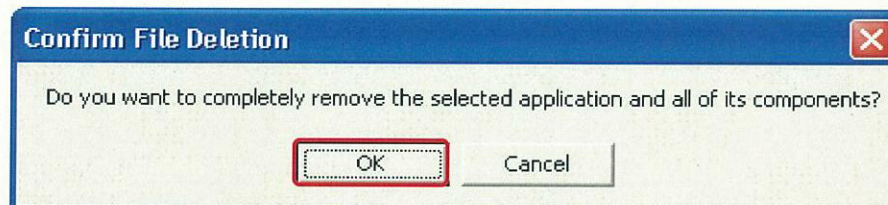
When uninstall is finished, the below dialogue will be shown.
Close the window by clicking Finish
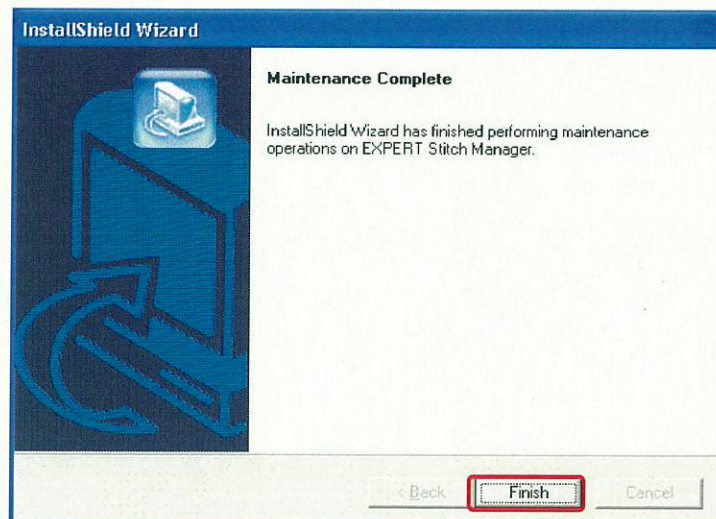
Please click Setup.exe again.

2. When install wizard boots up, please operate according to the message instruction

3. Select install component

4. Select the destination of installation

5. Start installation

6. Finish installation

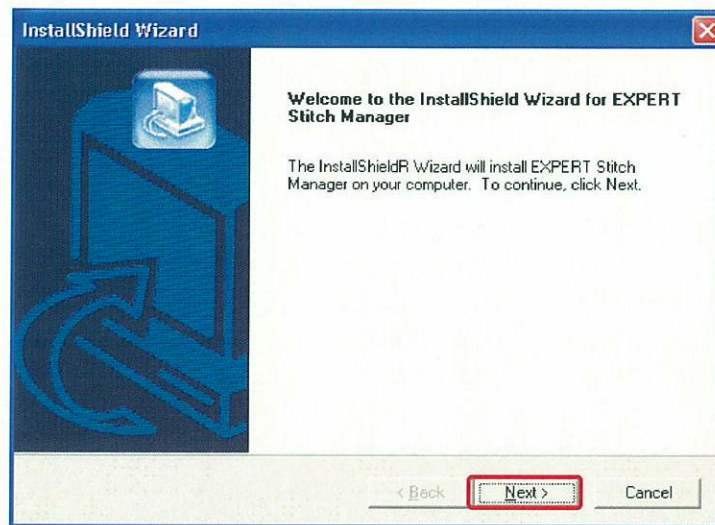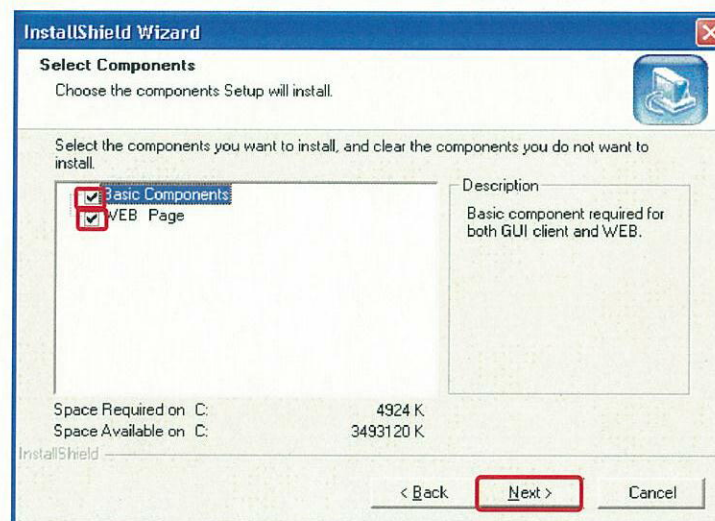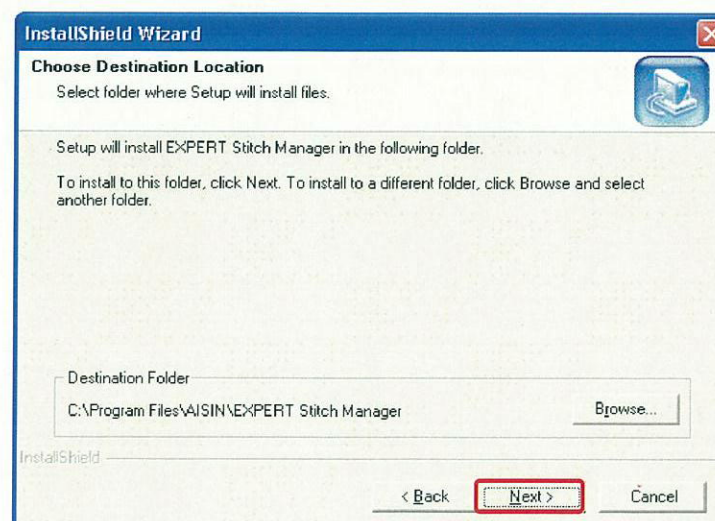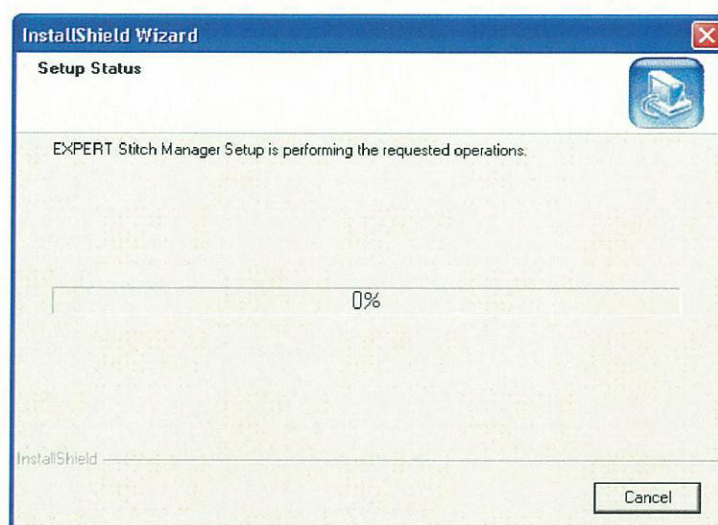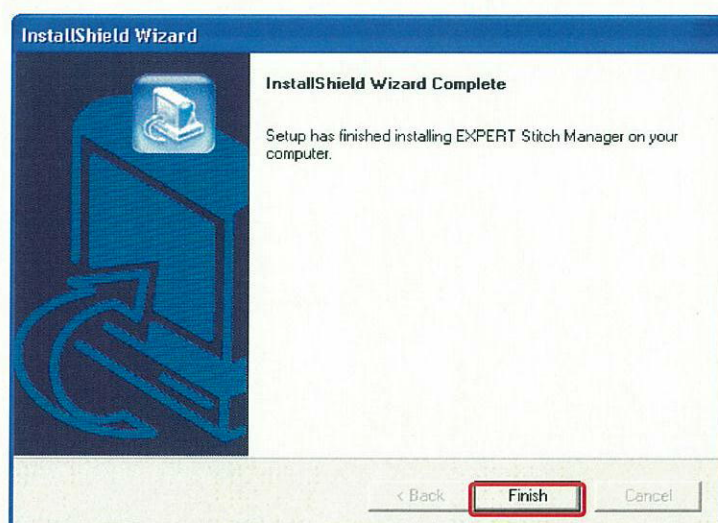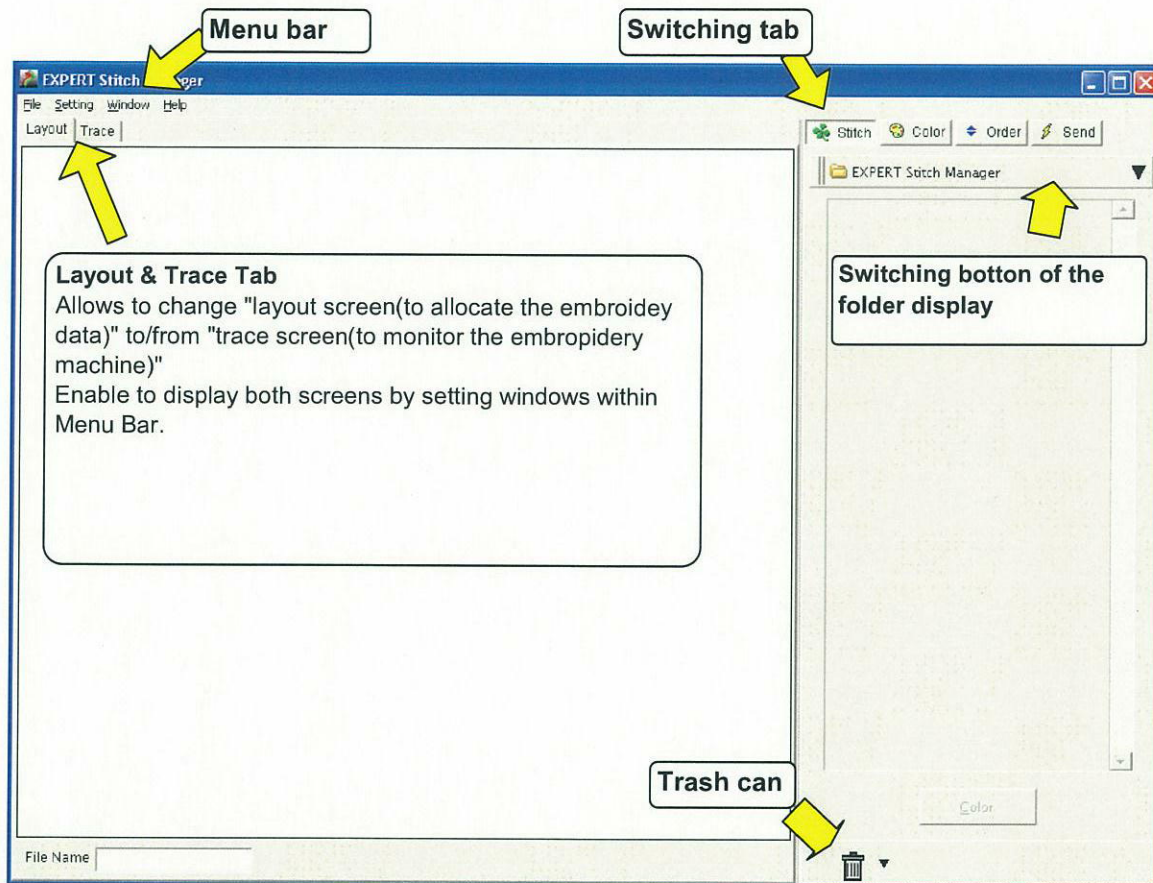Icon of the EXPERT STITCH MANAGER will be generated on the selected destination.

II. OPERATING PROCEDURE

1) Starting up the software
-- Only applicable to ESP9100NET series model

Menu bar

Switching tab

Layout & Trace Tab
Allows to change "layout screen(to allocate the embroidey data)" to/from "trace screen(to monitor the embropidery machine)"
Enable to display both screens by setting windows within Menu Bar.

Switching botton of the folder display

Trash can

Menu bar
[File]   [Exit] --- Finish the software
[Setting] [Stitch & Machine Color]---Set the spool colors on the embroidery machine
            [Back Color]---Select back color of window
            [Recent Files]---Setting of record of transferred data
            [Serial Port]---Setting of port, communication speed
            [Rescan TCP/IP port]---execute re-connection of the machines by using LAN port
[Window] [Tab Layout]---Allocate layout screen and trace screen by using tab
            [Horizontal Tile]---Allocate layout screen and trace screen side by side
            [Vertical Tile]---Allocate layout screen and trace screen up and down.

Switchng Tab
[Stitch]---Display and selection of drive folder
            Review and selection of embroidery data
[Color]---Setting and confirmation of thread color

[Order]---Display and change stitch sequence of selected embroidery data

[Send]---Transfer embroidery data and monitor on-going

Trash can
[Delete]---Delete data
[Delete All]---Delete all data

2. Setting the embroidery machine

* Please implement network setting before the connection
(please refer to "8. Setting of embroidery machine".)

1) Connection using TCP/IP(LAN) port

Turn on all the machines connected before booting up ESM. When booting up ESM,
it will automatically search and connect to the machines in the network automatically.
In case, turn on the power of the machines after booting up ESM, execute
rescan TCP/IP from the menu bar,
then themachines will be connected automtically.

Rescan TCP/IP port

2) Connection using Serial(COM) port

Click Serial port from the menu bar.
Scan according to the communication
speed of the embroidery machine (Baud rate)
Setting will be finished by pressing OK
botton when the embroidery displayed

Serial port
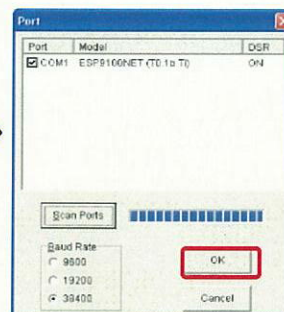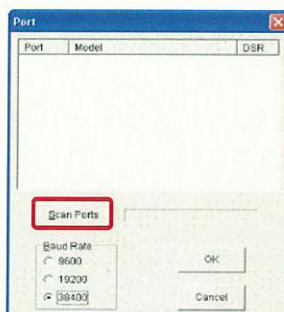
3) Confirmation of connection

It is possible to check the connecting status by clicking Machine icon within Sending tab

Machine Icon

In case of TCP/IP
Machine no. and IP address
will be displayed

Machine Info
Connection Type TCP/IP
Name Esp001   192.168.11.2:5001
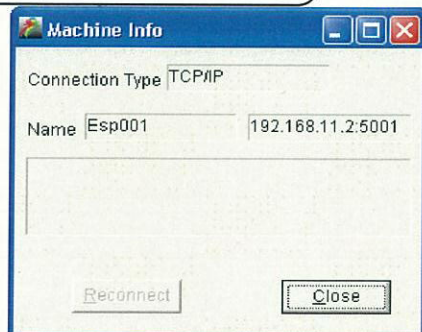
In case of Serial
Serial port no. and
baud rate(COM speed)
will be displayed

Machine Info
Connection Type Serial
Name COM:1   38400 baud
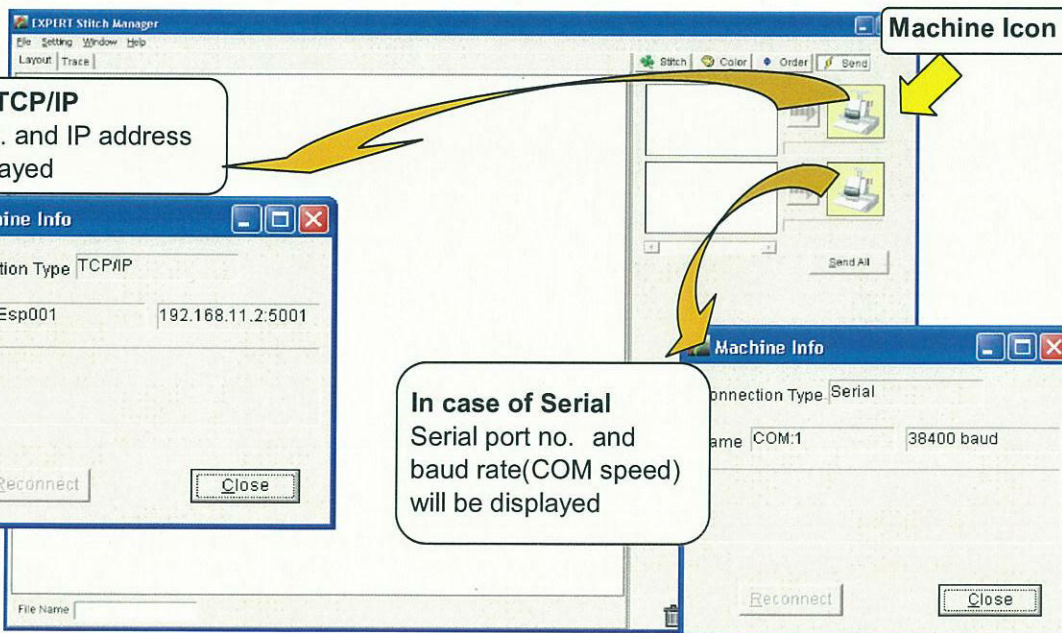
3. Selection of embroidery data

1) Switching to Layout screen by "dragging & dropping" from embroidery icon list

Embroidery icon list
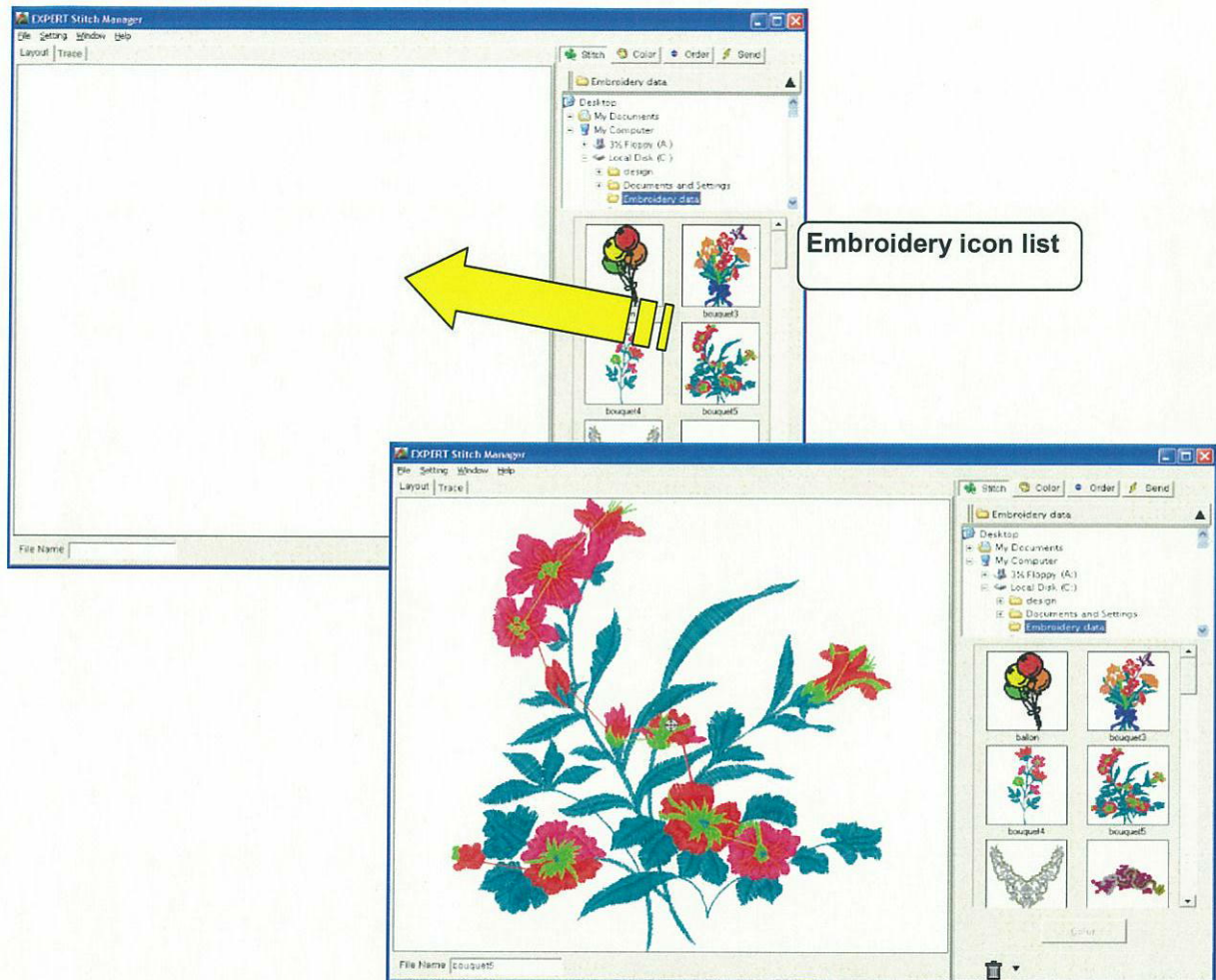
2) Confirmation and modification of thread information
Click [Color]

Thread color display switching botton
[Data Color]-- display original color data
[Thread Color]-- display by machine thread color

Selection of embroidery machine
Select the machine in the network, and display the machine thread color
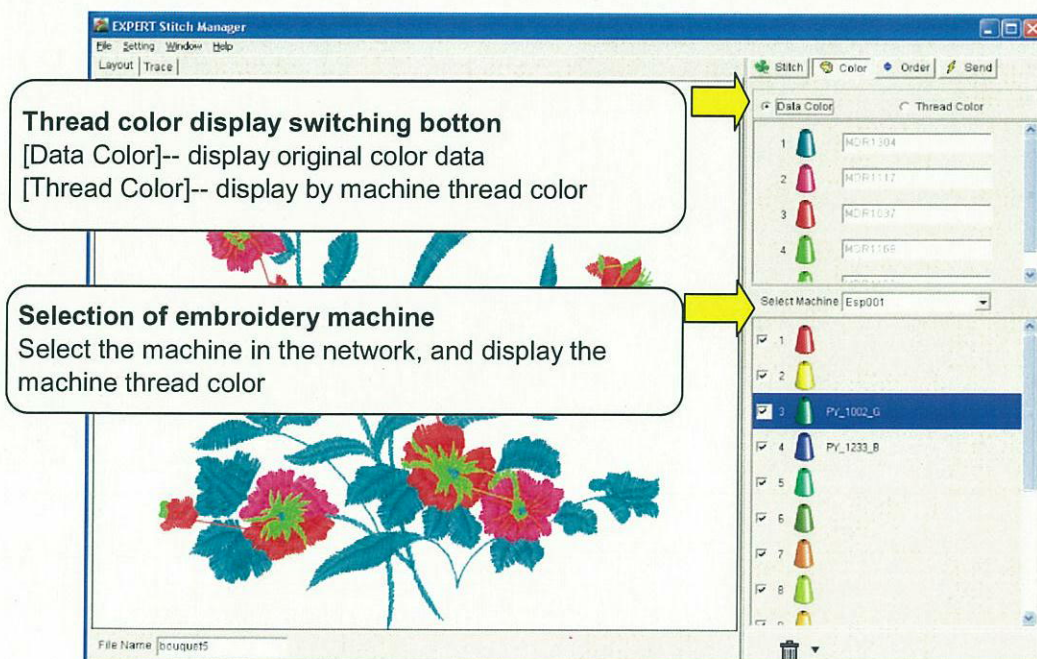
When selecting [Thread Color], allocate the embroidery data color automatically and display the number in red on the right side of the needle bar number. Display the embroidery data according to the selected color.

Check box for using thread
In case not using certain needle bar(s), delete check mark so that thread selection will not be applied.
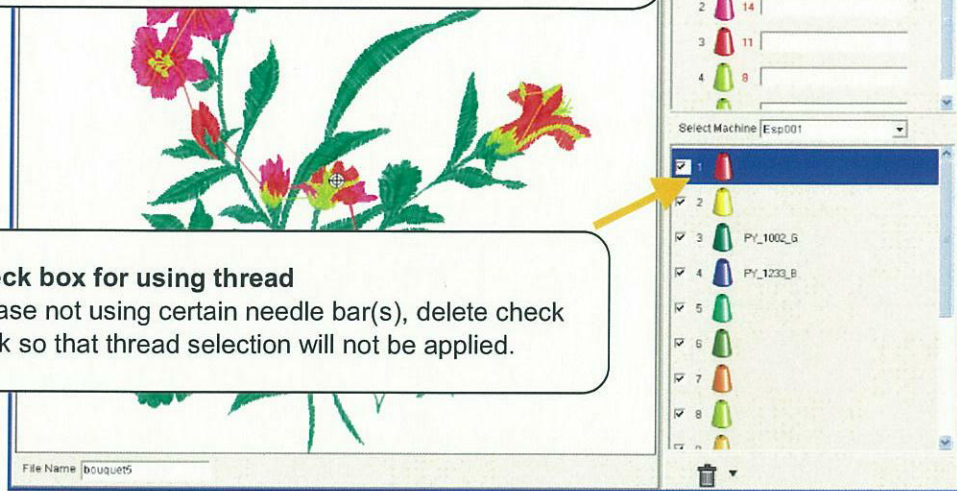
3) Change stitch sequence
Click [Order]
Stitch sequence of the selected multiple embroidery data is displayed.

To change the sequence, drag the embroidery data, so the first item to stitch is at the top of the list.
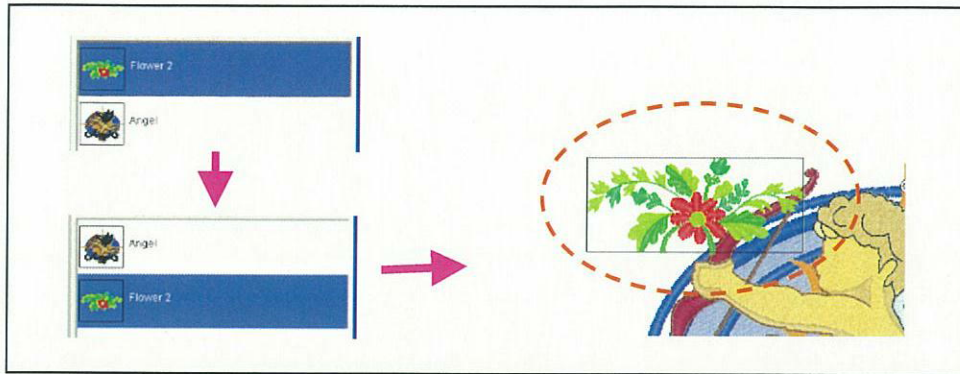
4) Set the file name for the embroidery machine
It is available to set the data name for the embroidery machine that will be displayed on the machine's console after transfering.
It is valid in the operation [Stitch], [Order] and [Send]
The file name that was selected first
is shown in the [File name] box at the bottom of screen.
Input new name in the [File name] box.
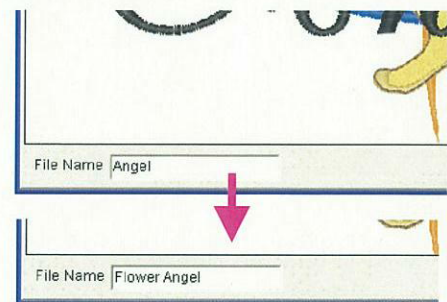
Note) Thread Color setting of the embroidery machine
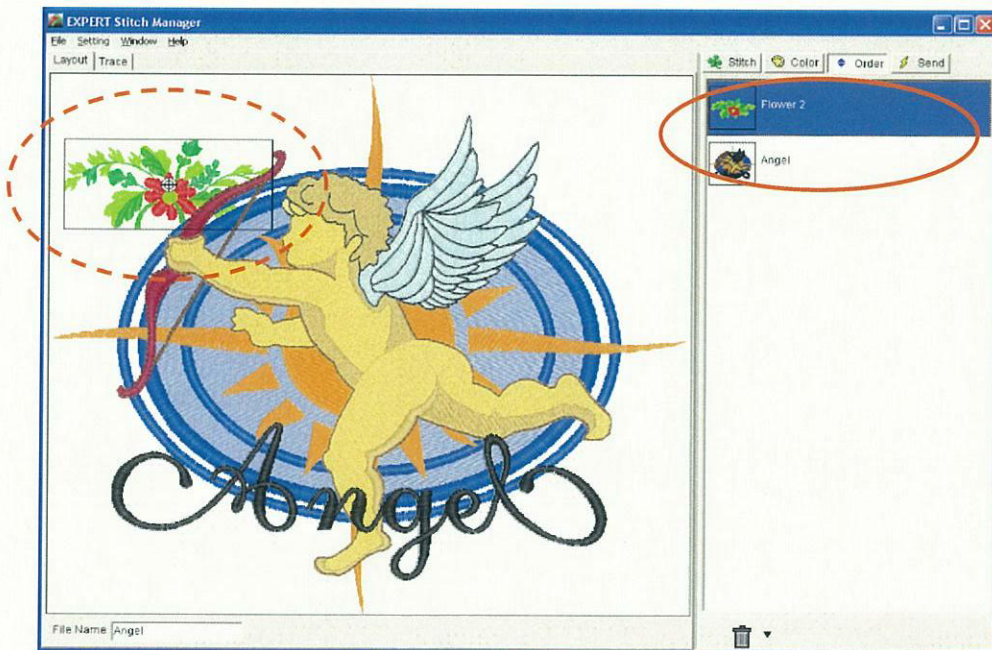
Execute machine thread color setting as needed

Color setting dialogue will show by clicking "Stitch & Machine Color" from the menu bar
Set the machine thread color by "dragging & dropping"
from stitch color list

Machine Thread Color

Stitch Color

List Editing button
「Add]-- Create new color of the spool
[Delete]--Delete spool
[Edit Label]--Add, edit the thread label
[Edit Color]--Set, edit the color

Select embroidery machine
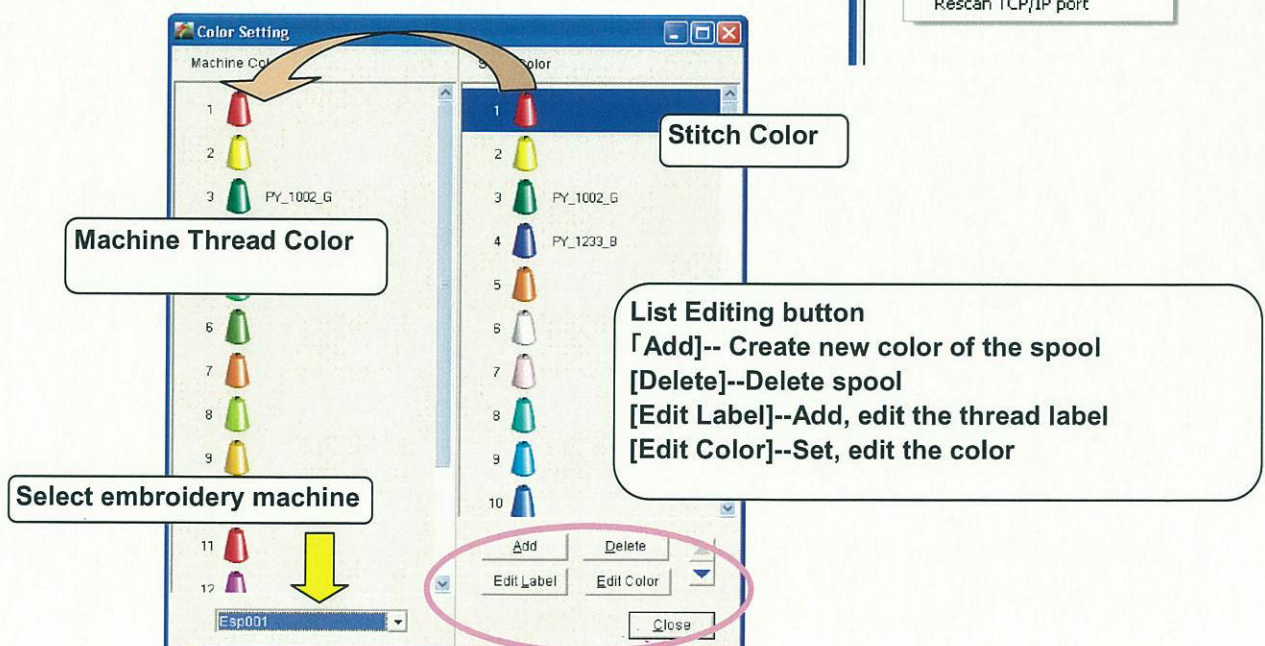
4. Transfer the embroidery data

Click [SEND]

Move the design on the layout screen to the sending box by "dragging & dropping"
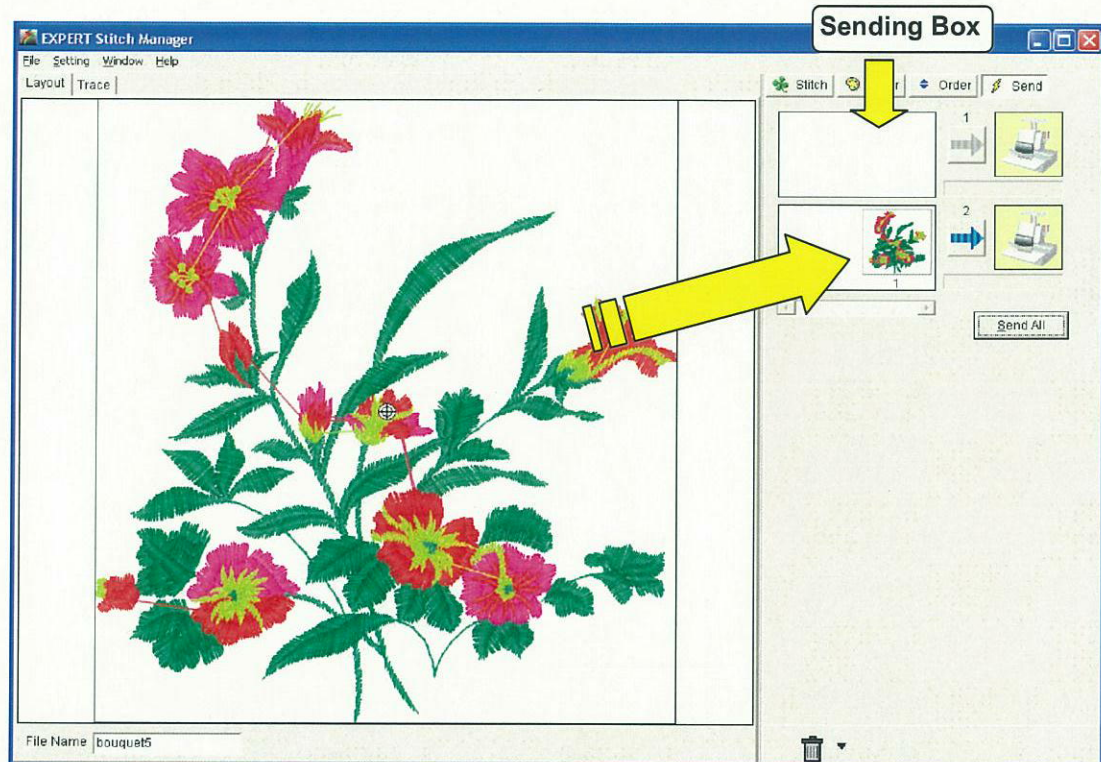
Click ➡ mark to transfer the embroidery data to one embroidery machine.

->After transferring, the data in the box is deleted.

Click [Send All] to transfer the embroidery data to all embroidery machine at once.

*The transfer of the embroidery data and setting of the needle number are done at the same time. And the embroidery machine is set for the **EMBROIDERY START** mode.

5. Monitor of on-going Embroidery

Click the [TRACE] tab.
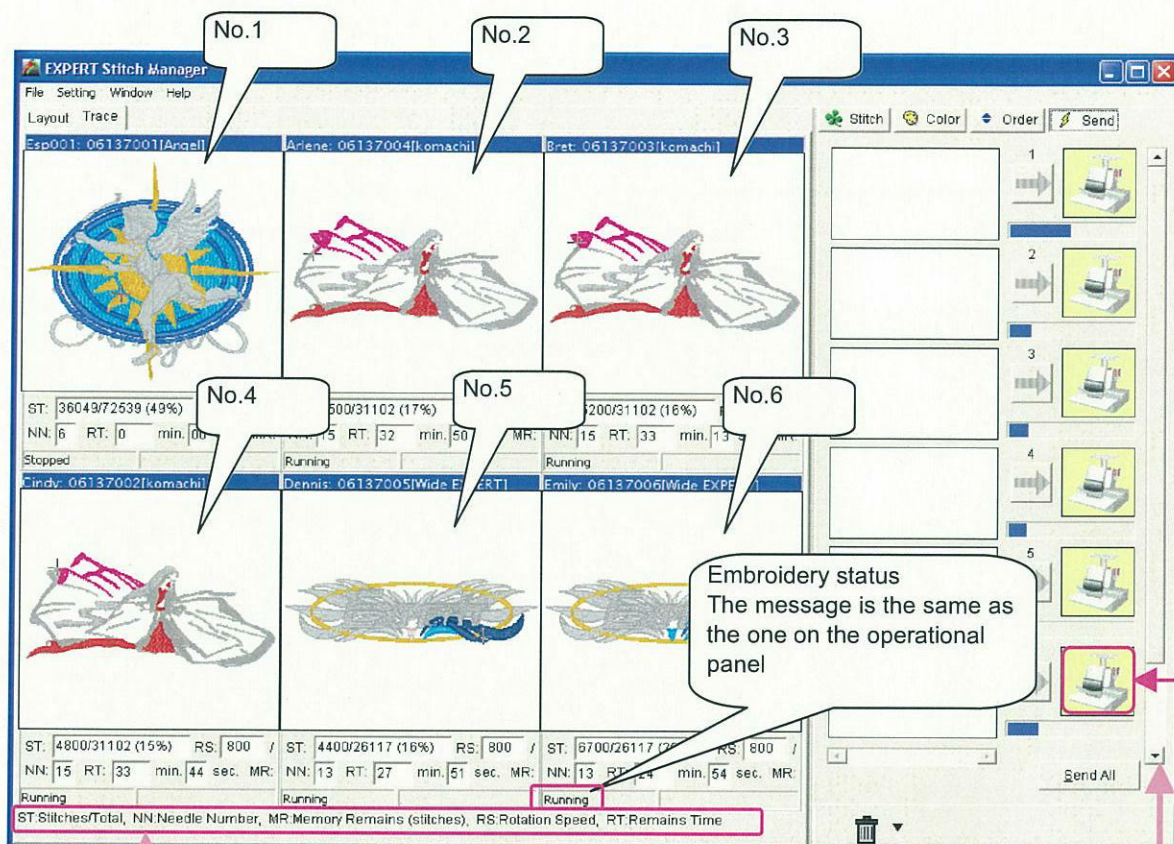
ST (Stitch / Total) → How much embroidery is completed.
NN(Needle bar Number) → Current needle bar number
MR(Memory Remaining) → How much room for memory
RS(Rotation speed) → Current rotation speed per minute
RT (Remaining time) → Remaining time to complete

In case networking more than 7 embroidery machines, scroll bar will show up. By scrolling, the trace screen will change accordingly.

Switch OFF or Line disconnected	Switch ON or Line connected & Embroidering or Embroidering Stop	(unison mode)	Data Transferring	Error

6. Finish the software

To finish the software, select [Exit] from the menu bar [File] or click close button on the upper right.

7. Other information
Change screen display

Horizontal Tile

Vertical Tile

8. Setting of embroidery machine

1) In case of connection by TCP/IP(LAN)
-- Only applicable to ESP9100NET series model

i) Turn on DS1-1, and activate the test mode.

```
***** TEST MODE ****
(1) PANEL   Ver
(2) MAIN    Ver
(3) XY      Ver
```
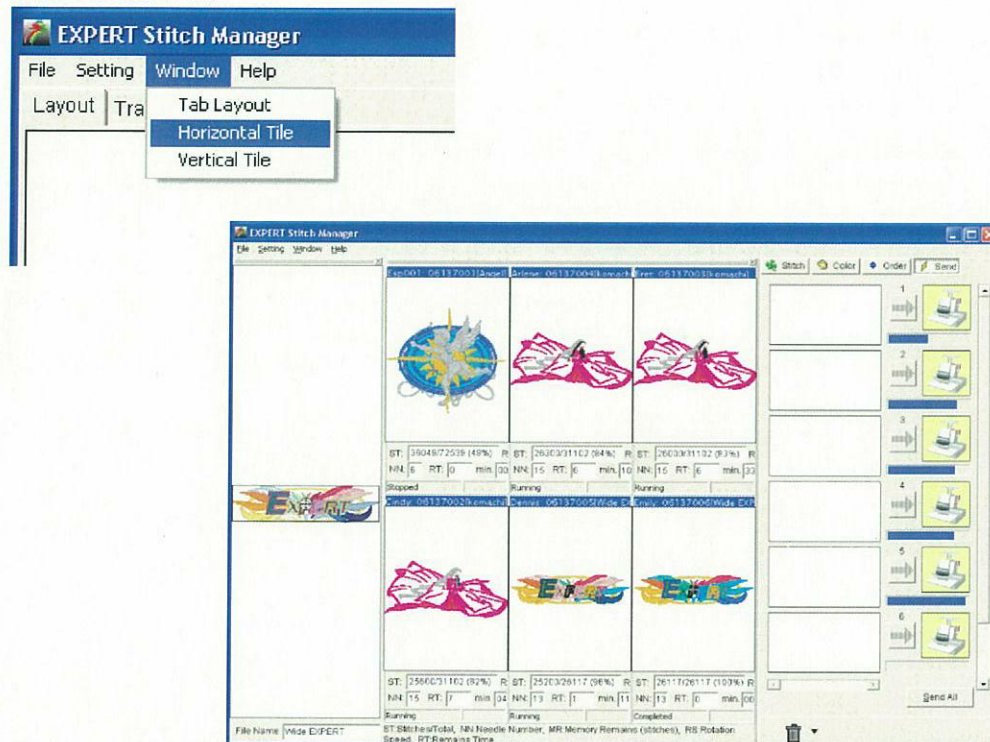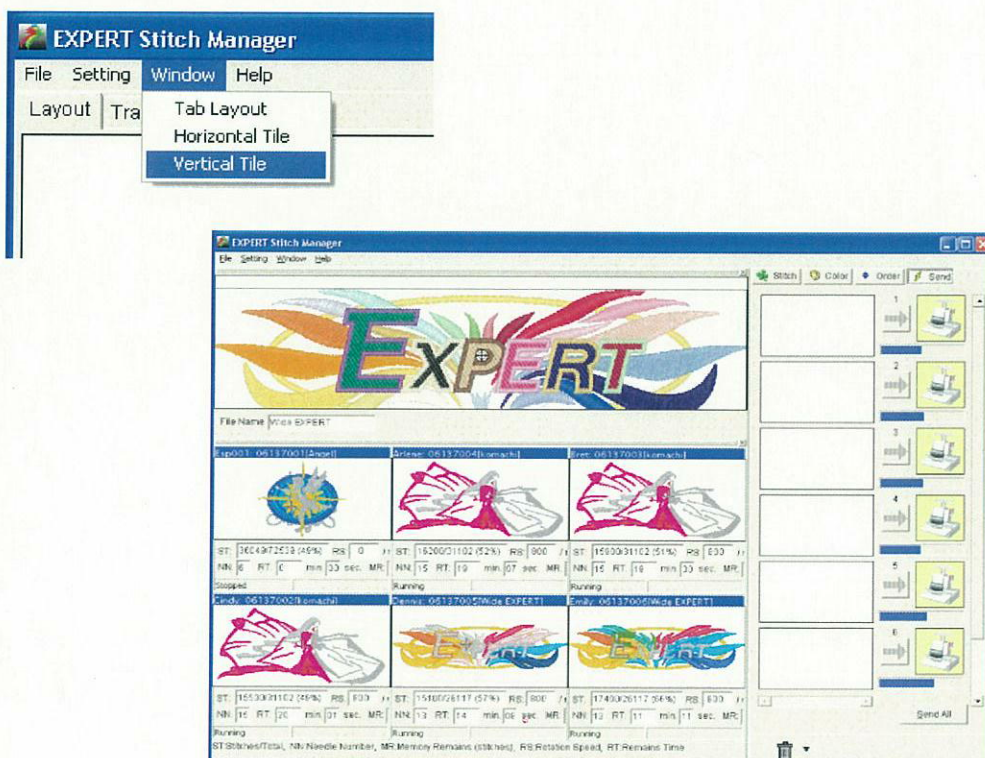
ii) Select and press SET in the order of PANEL →NETWORK SETTING screen

```
******* PANEL ******
(1) NETWORK SETTING
(2) MAINTENANCE
(3) MEMORY INITIAL
```

iii) Select **LAN** as PORT.

```
** NETWORK SETTING *
PORT       -> LAN
 TCP/IP    -> AUTO
 IP ADDRESS ->[SET]
```

iv) Select auto or manual of TCP/IP according to the network environment.

 * As to AUTO or MANUAL, please refer to "**a) Setting confirmation of TCP/IP of PC**"
 * In case of AUTO, please proceed to vi)

```
** NETWORK SETTING *
PORT       -> LAN
 TCP/IP    ->MANUAL
 IP ADDRESS ->[SET]
```

v) In case of Manual, IP address shall be set. Please set according to the network environment.

NOTE) Subnetmask and Default gateway shall be same value as the PC installed with ESM.

Subnet mask
Default gateway

```
**** IP ADDRESS ****
IP ->192.168. 11. 2
MASK->255.255.255. 0
GATE->192.168. 11. 1
```

 * As to Subnetmask and Default gateway, please refer to "**a) Setting confirmation of TCP/IP of PC**"

vi) Set the number in order to recognize embroidery machine. It is possible to set from 0 to 999, and Esp will be added as affix when using ESM.
  ex) In case the number is 3⇒Esp003

```
** NETWORK SETTING *
 TCP/IP    -> AUTO
 IP ADDRESS -> [SET]
 MACHINE NO.->   3
```

vii) Return to the PANEL screen by pressing SET key.

```
******* PANEL ******
(1) NETWORK SETTING
(2) MAINTENANCE
(3) MEMORY INITIAL
```
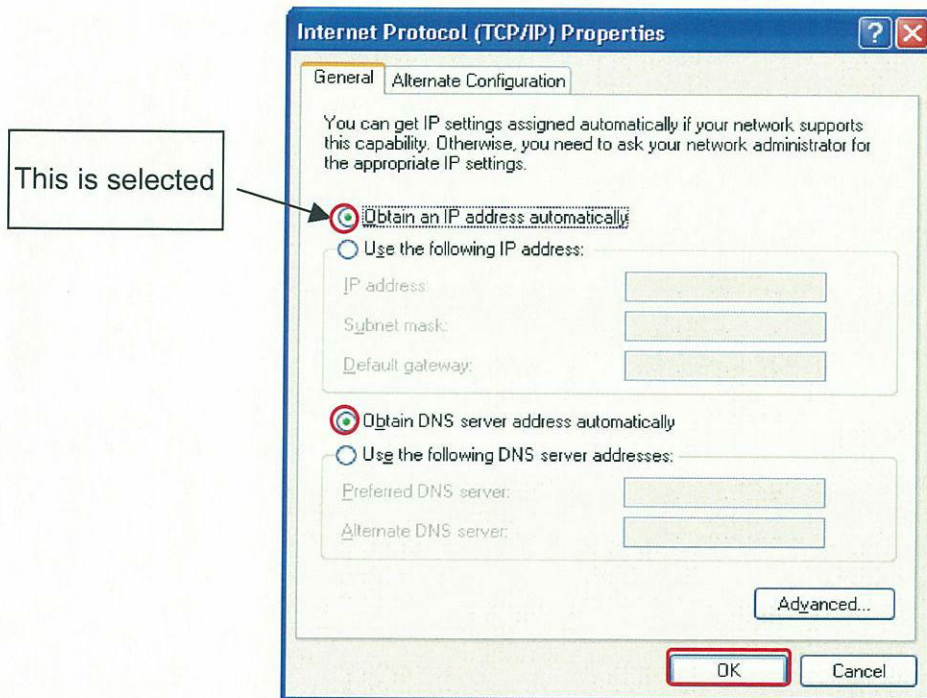
viii) Turn off DS1-1.
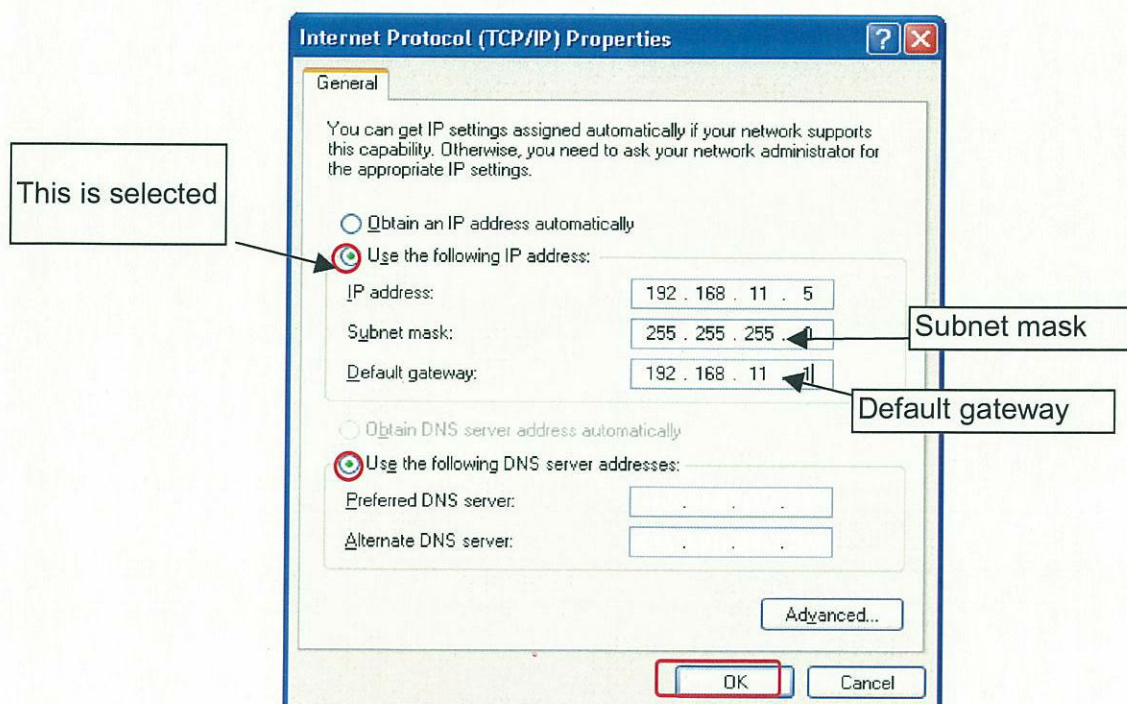   Reboot the power, after DS2-8 is set to OFF.

a) Setting confirmation of TCP/IP of PC

Confirm the setting of TCP/IP of PC that ESM is installed

1) In cse of auto-setting of TCP/IP

This is selected →

Internet Protocol (TCP/IP) Properties

General | Alternate Configuration

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

(●) Obtain an IP address automatically
( ) Use the following IP address:

IP address:
Subnet mask:
Default gateway:

(●) Obtain DNS server address automatically
( ) Use the following DNS server addresses:

Preferred DNS server:
Alternate DNS server:

[Advanced...]

[OK] [Cancel]

2) In cse of manual-setting of TCP/IP

This is selected →

Internet Protocol (TCP/IP) Properties

General

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

( ) Obtain an IP address automatically
(●) Use the following IP address:

IP address: 192 . 168 . 11 . 5
Subnet mask: 255 . 255 . 255 . 0   ← Subnet mask
Default gateway: 192 . 168 . 11 . 1   ← Default gateway

( ) Obtain DNS server address automatically
(●) Use the following DNS server addresses:

Preferred DNS server:
Alternate DNS server:

[Advanced...]

[OK] [Cancel]

2) In case of connection by Serial (COM) port -- ESP9100NET series model

i) Turn on DS1-1, and activate the test mode.

```
***** TEST MODE ****
(1) PANEL   Ver
(2) MAIN    Ver
(3) XY      Ver
```

ii) Select and press SET in the order of PANEL⇒NETWORK SETTING screen

```
******* PANEL ******
(1) NETWORK SETTING
(2) MAINTENANCE
(3) MEMORY INITIAL
```

iii) Select **COM** as PORT and set COM SPEED.
  Note) In case multiple machines are connected, please set the speed all the same

```
** NETWORK SETTING *
PORT      -> COM
 COM SPEED  -> 38400
 MACHINE   ->*TEL
```

iv) Return to the PANEL screen by pressing SET key

v) Turn off DS1-1.
  Reboot the power, after DS2-8 is set to OFF.

```
******* PANEL ******
(1) NETWORK SETTING
(2) MAINTENANCE
(3) MEMORY INITIAL
```

3) In case of connection by Serial (COM) port -- ESP9000 series model

1) Turn on the power with DS2-8 set to ON

2) Go to the NETWORK SETTING screen by pressing Function key

3) Set the COM SPEED
Note) In case multiple machines are connected, please set the speed all the same.

```
*** FUNCTION MENU **
A.TRIM TMNG -> + 0
B.COM SPEED -> 38400
C.MACHINE  ->*TEL
```

4) Return to embroidery screen by pressing SET key