

QSS Network Service Debugging Tool V2.2.0 Manual Rev 1.00

February 14, 2006

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2. Revision History

<i>Date</i>	<i>Description</i>	<i>Revision</i>
Sept 29, 2005	Newly created	1.00

3. Operating Condition of Debugging tool

Followings are the minimum operating condition of debugging tool.

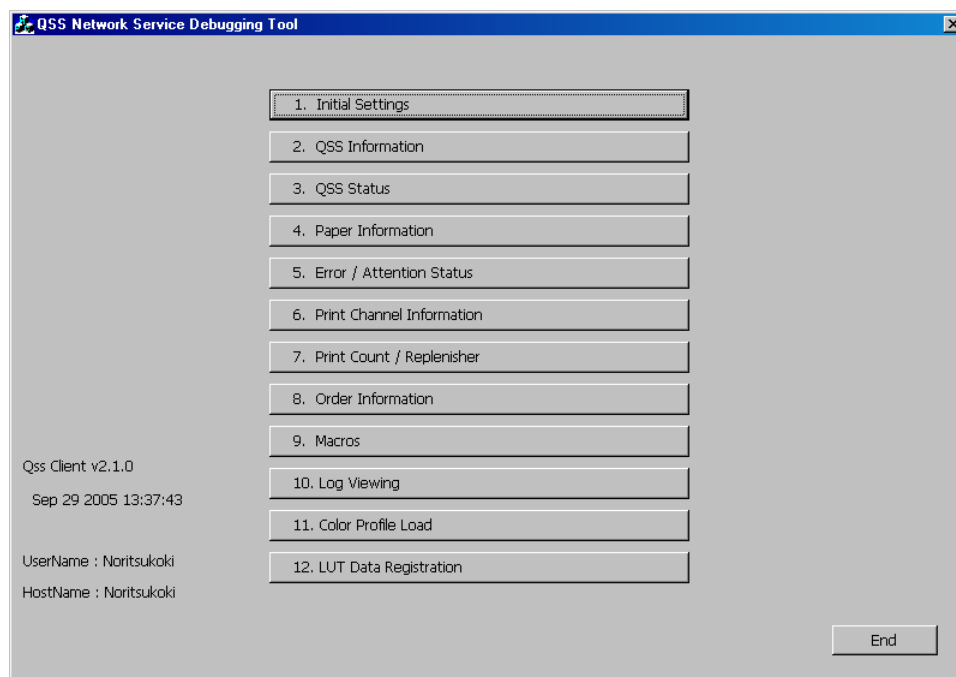
CPU: 300 MHz
Memory: 128 Mbyte
HDD: 5 Mbyte
OS: Windows 2000 Professional
Monitor: Resolutions of 1024 x 768

4. Installation of Debugging tool

Create a folder and copy QSS_CLIENT.EXE and QSSOPT.DLL files to the folder.

5. Start / Close

Open Explorer and click QSS_CLIENT.EXE so debugging tool will start. Once the debugging tool starts, Menu screen will be brought up initially. (See below.)



Click "End" in the Menu screen to close the debugging tool.

NOTE: "9. Macros" is not functional.

6. Initial Settings

Define information required for the debugging tool to operate.

1. Click “1. Initial Settings” from the Menu screen so the Initial Settings (#M001) screen will be brought up. (See below.)
2. Click “Auto Loading” (marked “A” in red) so Client Information will be set up automatically.
3. Choose an either “RPC (TCP/IP)” or “Socket Protocol (TCP/IP)” for “Connection Type” (B).
4. Enter the IP address of the target QSS in “IP Adrs of QSS” (C).
5. Click “OK” to close Initial Settings screen.

Initial Settings (#M001)

Client Info

USER NAME: Noritsukoki

HOST NAME: Noritsukoki

MAC Address: 00 : 08 : 74 : 41 : d1 : 90

Auto Loading (A)

Protocol

Connection Type (B): ☒ RPC (TCP/IP) ☐ Socket Protocol (TCP/IP)

IP Adrs of QSS (C): 192 . 9 . 203 . 177

Search

QSS	IP Address	Result	Sy

Cancel OK

7. Displaying Product Name

Get the model name from QSS and show it on the screen.

1. Click “2. QSS Information” from the Menu screen so the QSS Information (#M002) screen will be brought up. (See below.)
2. Click “Get” (marked “A” in red).
3. The following information will be provided on the screen: Product name, version of the NetOrder API, IP address of QSS, and system information.

The screenshot shows a window titled "QSS Information (#M002)". Inside the window, there is a section labeled "QSS Information" with two radio buttons: "QSS API" (selected) and "Calibration API". Below these are four text input fields:

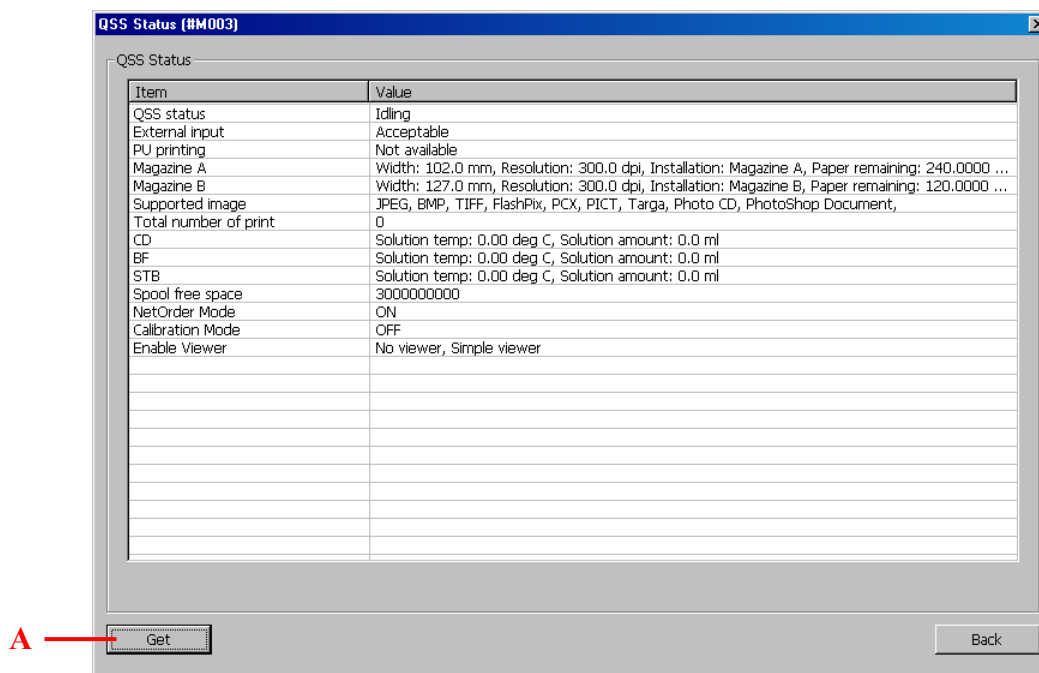
Product Name	QSS-33
I/F version	2.1.0
IP Adrs of QSS	192.9.203.177
SystemInfo	QSS

At the bottom left of the window is a button labeled "Get", which is pointed to by a red arrow and the letter "A". At the bottom right is a button labeled "Back".

8. Displaying the Status of QSS

Get the status of the QSS and show it on the screen.

1. Click "3. QSS Status" from the Menu screen so the QSS Status (#M003) screen will be brought up. (See below.)
2. Click "Get" (marked "A" in red).
3. Current status of QSS including the type of paper magazines installed and the remaining amount in the spooler is shown on the screen.



9. Displaying Paper Magazine Information

Get information on the paper magazines currently installed on the QSS and show them on the screen.

1. Click "4. Paper Information" from the Menu screen so the Paper Information (#M004) screen will be brought up. (See below.)
2. Choose "Installed magazine" for "Getting Option" (marked "A" in red).
3. Define the number of paper magazines whose information you wish to get in "Maximum Count" (B).
4. Click "Get" (C).
5. Information on the paper magazines currently installed is listed on the screen.

[illegible]

In order to display the information on the paper magazines registered on QSS (even though they are currently not installed), choose “Registered magazine” for “Getting Option” (A).

Clicking “Get” (D) will show only the number of paper magazines installed or registered.

10. Registering an Order

Register a new order to QSS.

1. Click “8. Order Information” from the Menu screen.
2. Choose “Registration” tab so the Registration screen will be brought up. (See below.)
3. Click “Select File” (marked “A”), and choose the image file to print.
4. Enter the paper width to be used for printing in “Paper Width” (B). Enter all the paper widths that you intend to use for printing (unit: 1/10 mm)
5. Enter the paper surface to be used for printing in “Paper Surface” (C). Enter all the paper surfaces that you intend to use for printing (range: 1 – 4)
6. Enter the paper advance length of the intended print to make in “Length” (D). (unit: 1/10 mm)
7. Choose an intended type of Paper Fitting in “Fitting” (E) from Cut, Whole, or Real.
8. Click “Registration” (F) so the order is added to the QSS.

The screenshot shows the 'Order Information (#M008)' dialog box with the 'Registration' tab selected. The dialog is divided into several sections:

- Registration Section:** Includes a 'Registration' button (F), a 'CMS' checkbox, 'Cycle' (1), 'Sorter Num' (0), and buttons for 'Clear' (G), 'Save', and 'Read'. Below these are radio buttons for 'RefID' and 'Request', and a 'Frame #' field (1~999).
- Paper Information Section:** Includes 'Paper Width (1/10mm)' (B), 'Paper Surface (1~4)' (C), 'Index' (None), and '(Paper Width; Surface; Num)' (1270, 1, 0). Below this is a 'Fitting' dropdown (E) set to 'Cut'.
- Media Information Section:** Includes 'Media' (None), 'Media Format' (None), 'Media Num' (0), 'Media Quality (Type; Value)' (Standard of QSS, 0), 'Media Size' (-), 'Media Viewer' (QSS Setting), 'Label Index' (Label Index OFF), and '(Paper Width; Surface; Num)' (0, 0, 0).
- Priority and Print Mode Section:** Includes 'Priority' (Highest), 'Print Mode' (Auto), 'Wait' (Wait OFF), and a 'Comment' field.
- File Selection Section:** Includes 'Select File' (A), 'Select Folder' (I), and 'Delete' (H) buttons. Below these is a list of files with columns for 'No', 'File name', and 'Size'.
- Frame Information Section:** Includes a 'Frame Info' tab, 'Image File Path' (D:\Image\Sample\IMG_0001.bmp), 'Paper Width' (1270), 'Surface' (1), 'Paper Length' (0), 'Picture Format' (BMP), 'Type' (QSS_PRINT_SIZE_C), 'Repeat Count' (1), 'Frame Num' (1), 'CVP Conf' (1:QSS, 2:QSS), 'CVP line 1' (255), 'CVP line 2' (0), 'Border' (0), 'Trimming' (Start Point (X, Y) (0, 0), Size (X, Y) (0, 0), Unit: Pixel, Rotate: 0), 'Save' (Save ON), 'Fitting' (Cut), and 'Front Print' (None).

Red arrows point from labels A through H to the corresponding elements in the dialog box.

Clicking “Clear” (G) will clear all the inputs.

Clicking “Delete” (H) will delete the image file selected from the list.

Clicking “Select Folder” (I) will select all the image files in the folder that has been chosen in “Browse For Folder” dialog.

NOTE: Changing values for “Paper Width” (B) and “Paper Surface” (C) will update the “Paper Width” and “Paper Surface” of the printing parameters for each frame.

10.1. Description of items

CMS: Check the button when you wish to validate CMS.

Cycle: Enter the number of orders to register when you register multiple orders successively.

Sorter Num: Enter how many prints are placed on a receiver of the sorter before the sorter moves. (range: 0 – 120, default: 0)

When 0 is entered, the sorter will move when the maximum number of prints that a receiver can hold is placed on a receiver.

RefID: Enter reference number. Reference number is a series of numbers to identify orders. (range: 1 - 999999999999999999)

Request: Enter request number. Request number is a series of numbers to identify orders. (range: 1 - 49999)

Frame #: Enter the number of frames that comprise an order.

Paper Width: Enter the paper width. (unit: 1/10 mm)

Paper Surface: Enter the paper surface. (range: 1 – 4)

Index: Specify the type of index. Enter the width and the surface type of the paper where the index print is printed, as well as the number of index prints to be created, in Paper Width, Surface and Num respectively.

Fitting: Choose how the image is printed on a page from the following three types: Cut, Overall and Real size.

<i>Fitting type</i>	<i>Description</i>
Cut	Adjust the image size so it does not generate any white border on the page. A part of image may not be printed.
Whole	Adjust the image size so the whole image is printed on the page. White border may appear on the page.
Real	Images are printed with actual image data size.

Media: Choose the destination of media output.

Media Format: Choose the media output format.

Media Num: Enter the number of media to be created. (range: 1 – 99)

Media Quality: Choose the media output quality. Enter the media output quality type and media output quality value (unit: percent) to Type and Value on the right.

Media Size: Choose the media output size.

Media Viewer: Choose the type of the viewer for output to CD.

Label Index: Specify whether or not to print label index. Enter the width and the surface type of the paper where the label index print is printed, as well as the number of label index prints to be created, in Paper Width, Surface and Num respectively.

Priority: Choose the priority of the order.

Print Mode: Choose the print type of the order.

Wait: Specify, when an order is accepted, whether to put the order in the print queue and process it when its turn comes (Wait OFF), or not to print it unless the operator decides to do so (Wait ON).

Comment: Specify the comment string.

Length: Enter the paper advance length for C, P, and H. (unit: 1/10 mm)

Border: Enter the width of the white boarder on the resultant C, P, and H print. (unit: 1/10 mm)

PU Print Conf: Check this box in order to issue price sheet.

Product Name: Enter the description for the type of print (C, H, and P) to be printed on the price sheet.

Print Count: Enter the number of C, H, and P print to be printed on the price sheet.

Unit Price: Enter the unit price for C, H, and P print to be printed on the price sheet.

Price: Enter the price for C, H, and P print to be printed on the price sheet.

Basic Fee: Enter the basic charge to be printed on the price sheet.

Index Fee: Enter the charge for index print to be printed on the price sheet.

Below are printing parameters for each frame.

Image File Path: Image file path is shown.

Paper Width: Enter the desirable paper width when you wish to change the paper size for each frame. (unit: 1/10 mm)

Surface: Enter the desirable paper surface when you wish to change the paper size for each frame. (range: 1 - 4)

Paper Length: Enter the desirable paper advance length when you wish to change the paper size for each frame. (unit: 1/10 mm)

Picture Format: Choose the image file format.

Type: Choose the desirable print size from the following.

<i>Types</i>	<i>Description</i>
QSS PRINT SIZE C	Printed as C print.
QSS PRINT SIZE P	Printed as P print.
QSS PRINT SIZE H	Printed as H print.
QSS PRINT SIZE FREE C	Printed to the paper size specified for each frame.
QSS PRINT SIZE FREE P	Printed to the paper size specified for each frame.
QSS PRINT SIZE FREE H	Printed to the paper size specified for each frame.

Repeat Count: Enter number of copies to make. (range: 1 – 999)

CVP Conf: Choose a desirable printing pattern of CVP.

Print Count: Specify where in CVP to locate the print count.

CVP line 1: Specify the data to be printed on the 1st line of correction value print.

CVP line 2: Specify the data to be printed on the 2nd line of correction value print.

Border: When you wish to change the width of the border for every frame, enter the desirable width. (unit: 1/10 mm)

Trimming: When you wish to crop the image file and print, enter the starting coordinate and the cropping size of the cropping, and the unit of the parameter, in Start Point (x, y), Size (x, y), and Unit.

Rotate: When you wish to rotate the image file and print, enter the desirable rotation angle. (unit: 0.1 degree)

Save: When output to media, specify whether or not the image will be written to the media.

Spool Full Retry: When QSS returns QSS_DISKFULL_SPOOL (there is no enough space in the spool) while attempting to send print data, the print data send process will be retried.

Front Print: Specify the position and string of the front print.

11. Displaying Order Status

Get information on orders registered to the QSS and show it on the screen.

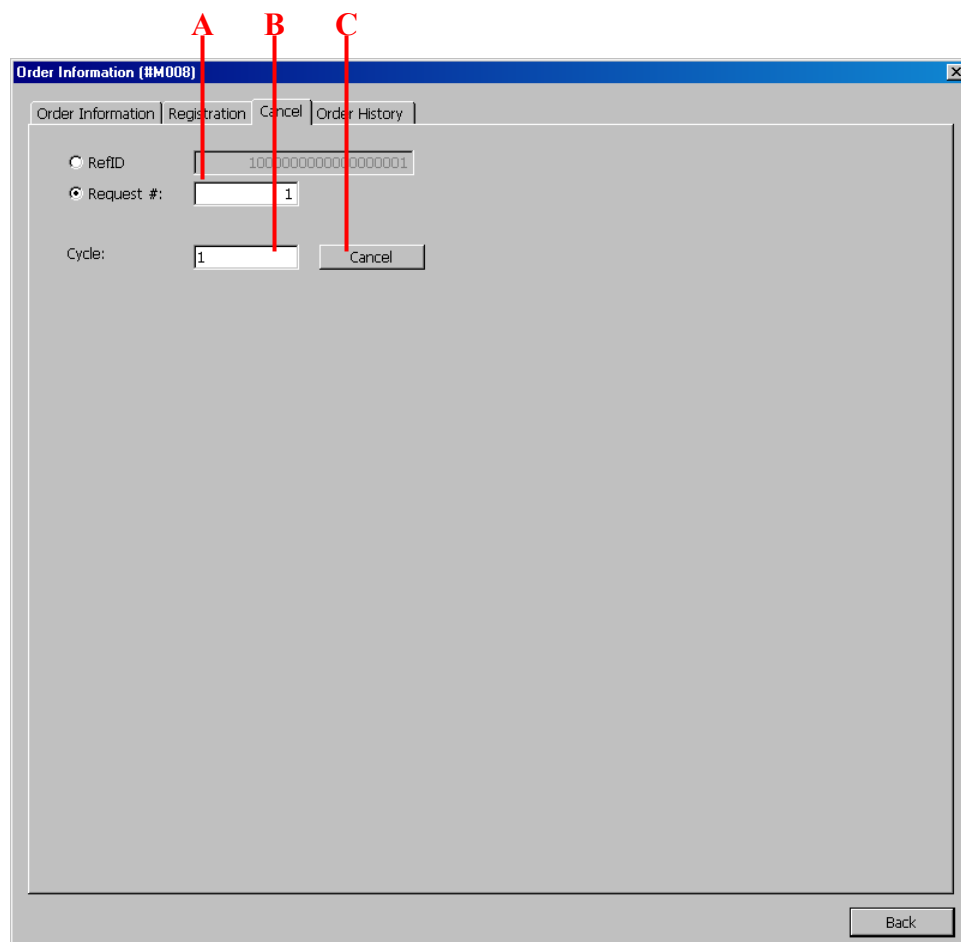
1. Click "8. Order Information" from the Menu screen so the Order Information screen will be brought up. (See below.)
2. Choose "All (Request #)" for "Getting Options" (marked "A" in red).
3. Define the interval to get order information in second in "Interval" (B).
4. Define the number of orders whose information you wish to get in "Maximum Count" (C).
5. Click "Start".
6. Order status will be got at the interval defined in "Interval" (B) and listed on the screen. Click "Stop" (D) to stop getting order information.

[illegible]

12. Canceling an Order

Cancel the order registered on QSS.

1. Click "8. Order Information" from the Menu screen.
2. Click "Cancel" tab so Cancel screen will be brought up. (See below.)
3. Enter the request number of the order you wish to cancel in "Request #" (marked "A" in red).
4. When you cancel multiple orders successively, define the number of orders you wish to cancel in "Cycle" (B).
5. Click "Cancel" (marked "C").
6. Order(s) registered on QSS will be canceled.



13. Displaying Order History

Get information on orders that have been received from QSS and show them on the screen.

1. Click "8. Order Information" from the Menu screen so the Order Information screen will be brought up.
2. Click "Order History" tab so the Order History screen will be brought up. (See below.)
3. Enter a date for which you wish to get order record to "Receipt Date" (marked "A" in red) so the orders received on the date will be listed.
4. Choose process result you are interested in from "Order Status" (B) so the corresponding orders will be listed.
5. Enter the maximum number of orders in "Maximum Count" (C).
6. Click "Get" (D).
7. Corresponding order history is listed on the screen.

Order Information (##M008)

Order Information Registration Cancel Order History

Receipt Date: 2005 / 9 / 29

Order Status: All Maximum Count: 5 Get

No	Receipt time	Print time	Receipt #	Status	Frame number	Paper width	Surface quality
0	2005/09/29 13:51	2005/09/29 13:52	10	Print completed	1	1020	1
1	2005/09/29 13:51	2005/09/29 13:52	9	Print completed	1	1020	1
2	2005/09/29 13:51	2005/09/29 13:52	7	Print completed	1	1020	1
3	2005/09/29 13:51	2005/09/29 13:52	6	Print completed	1	1020	1
4	2005/09/29 13:51	2005/09/29 13:51	8	Canceled	1	1020	1

Back

14. Displaying Error/Attention Messages

Get information on error/attention messages that are currently given on the QSS and show them on the screen.

1. Click “5. Error/Attention Status” from the Menu screen so the Error/Attention Status (#M005) screen will be brought up. (See below.)
2. Choose “Error & Attention” for “Getting Option” (marked “A” in red).
3. Enter the number of error/attention messages you wish to get in “Maximum Count” (B).
4. Click “Get” (C).
5. Error/attention messages that are currently given on the QSS are listed on the screen.

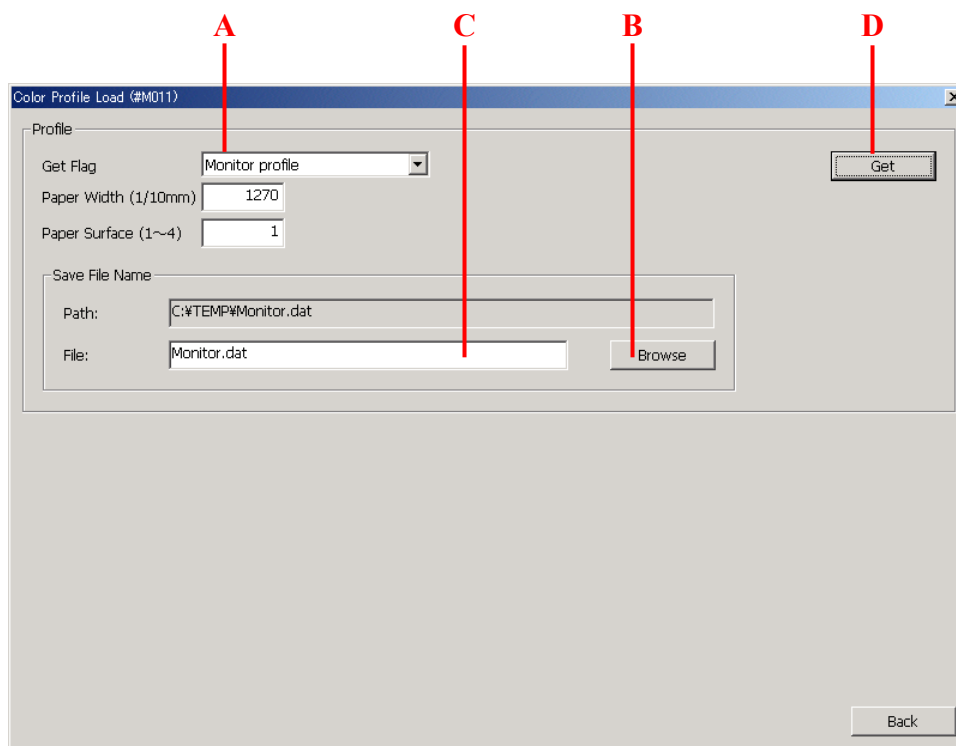
[illegible]

Clicking “Get” (D) will display only the number of the error/attention messages that are currently given.

15. Get Monitor Profile

Get monitor profile data from QSS.

1. Click “11. Color Profile Load” from the Menu screen so the Color Profile Load (#M011) screen will be brought up. (See below.)
2. Choose “Monitor profile” for “Get Flag” (marked “A” in red).
3. Click “Browse” (B) and choose the target folder where the monitor profile data is saved.
4. Enter the filename of the monitor profile data in “File” (C).
5. Click “Get” (D).
6. Monitor profile data will be save in the file.



16. Get Printer Profile

Get printer profile data from QSS.

1. Click “11. Color Profile Load” from the Menu screen so the Color Profile Load (#M011) screen will be brought up. (See below.)
2. Choose “Printer profile” for “Get Flag” (marked “A” in red).
3. Enter the desirable paper width and surface in “Paper Width” and “Paper Surface” (B).
4. Click “Browse” (C) and choose the target folder where the printer profile data is saved.
5. Enter the filename of the printer profile data in “File” (D).
6. Click “Get” (E).
7. Monitor profile data will be save in the file.

The screenshot shows the 'Color Profile Load (#M011)' dialog box. It has a title bar with the text 'Color Profile Load (#M011)' and a close button. The dialog is divided into two main sections. The top section is labeled 'Profile' and contains three input fields: 'Get Flag' with a dropdown menu showing 'Printer profile' (labeled A), 'Paper Width (1/10mm)' with a text box containing '1270' (labeled B), and 'Paper Surface (1~4)' with a text box containing '1' (labeled B). The bottom section is labeled 'Save File Name' and contains two input fields: 'Path:' with a text box containing 'C:\TEMP\Printer.dat' (labeled D) and 'File:' with a text box containing 'Printer.dat' (labeled D). To the right of the 'File:' field is a 'Browse' button (labeled C). To the right of the 'Get Flag' field is a 'Get' button (labeled E). At the bottom right of the dialog is a 'Back' button.

17. Inch – Millimeter Conversion Table

The following table shows the conversion of inch to 1/10 mm and vise versa. Use this table when entering paper size.

<i>inch</i>	<i>1/10 mm</i>
3 1/4	825
3 1/2	890
4	1020
4 1/2	1140
4 5/8	1170
4 3/4	1200
5	1270
5 1/8	1300
6	1520
6 1/2	1650
7	1780
8	2030
8 1/4	2100
8 1/2	2160
9 1/2	2400
10	2540
11	2790
12	3050