

# **QSS Network Service Debugging Tool V3.0.0 Manual Rev 1.00**

**February 18, 2009**

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## 2. Revision History

<i>Date</i>	<i>Description</i>	<i>Revision</i>
Feb. 18, 2009	Newly created	1.00

## 3. Operating Condition of Debugging tool

Followings are the minimum operating condition of debugging tool.

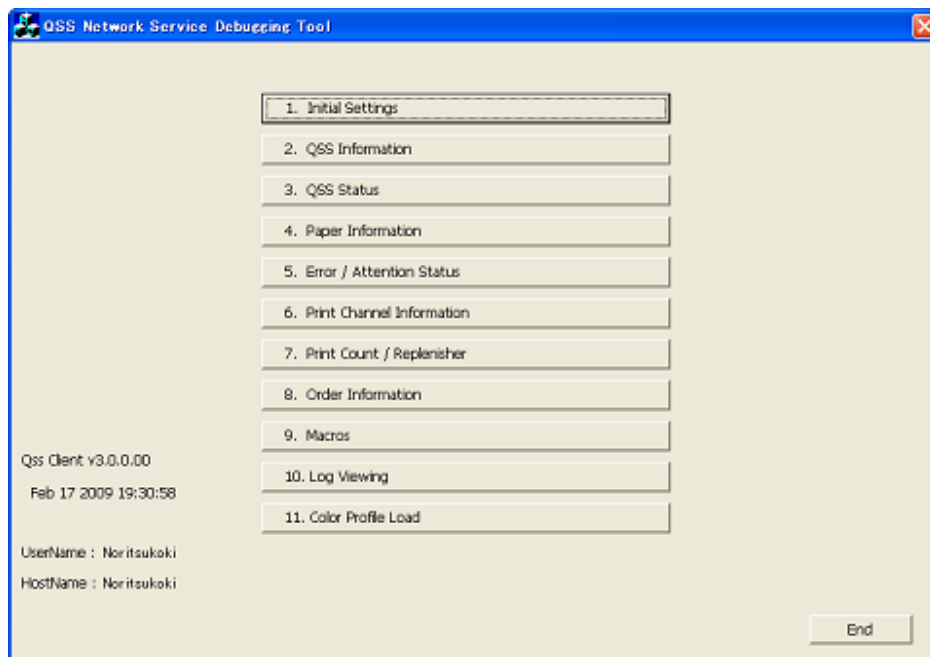
CPU: 300 MHz  
Memory: 128 Mbyte  
HDD: 5 Mbyte  
OS: Windows 2000 Professional  
Monitor: Resolutions of 1024 x 768

## 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

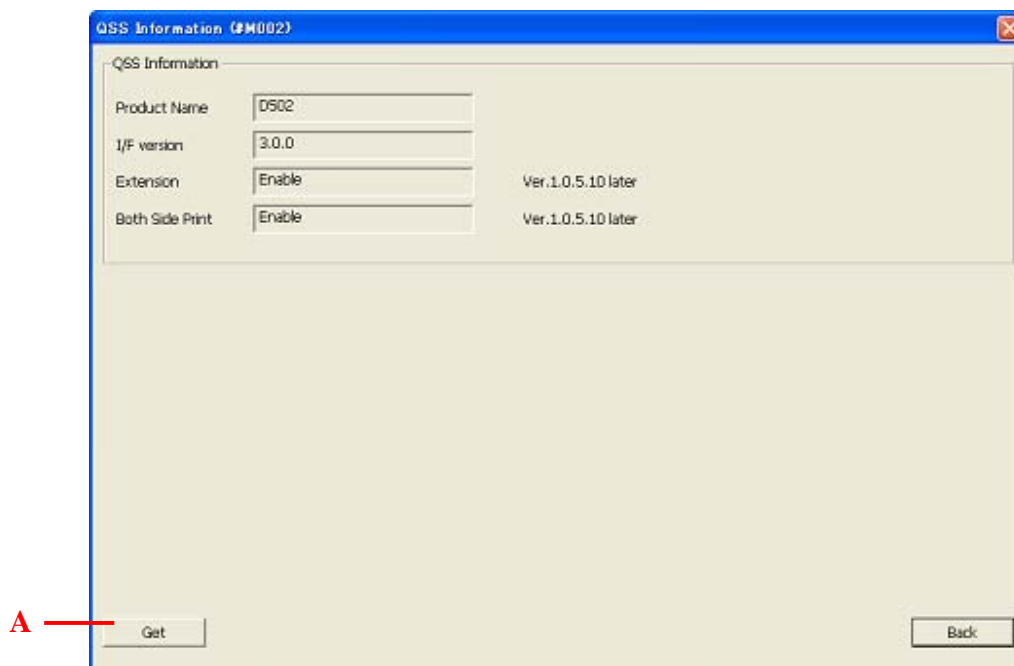
QSS	IP Address	Result	Sy

Cancel OK

## 7. Displaying Product Name

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

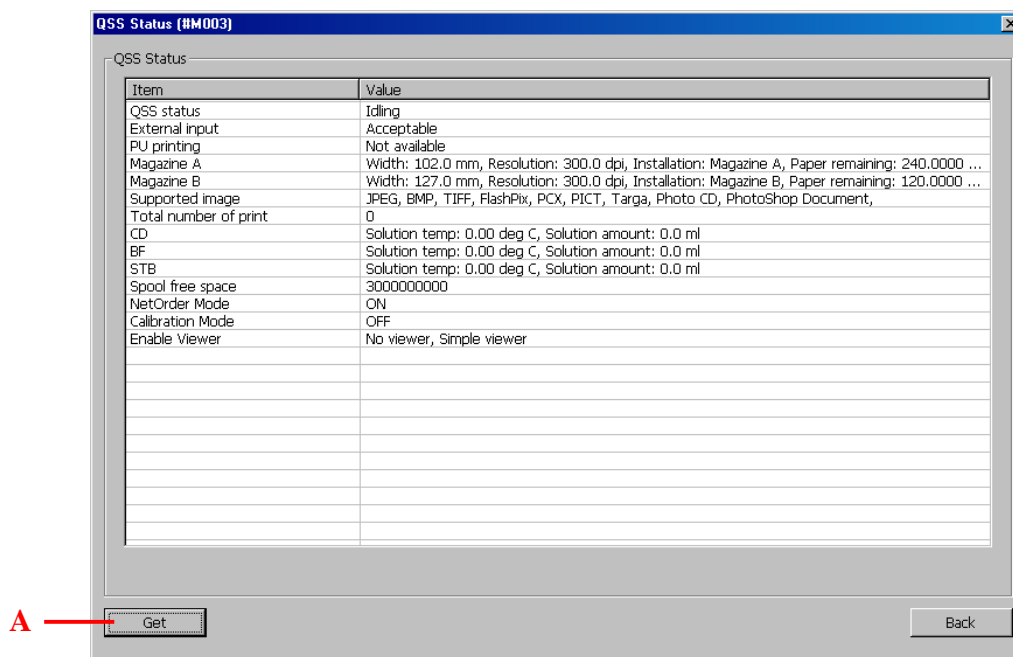
1. Click “2. QSS Information” from the Menu screen so the QSS Information (#M002) screen will be brought up. (See below.)
2. Click “Get” (marked “A” in red).
3. The following information will be provided on the screen: Product name, version of the NetOrder API, and whether the Extension functions and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



## 8. Displaying the Status of QSS

Get the status of the OSS 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 “Add” (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 Paper Fitting type 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' dialog box with the 'Registration' tab selected. The dialog is divided into several sections:

- Registration Section:** Includes fields for 'RefID', 'Request', 'Frame #', 'FastPrint', 'Priority', 'Wait', 'Resolution', 'Paper Width', 'Paper Surface', 'Paper Length Min', 'Paper Length Max', 'Paper Tone', 'Paper Name A-D', 'Both Side Print', 'Collate', 'Blank Page', and 'Blank Page Num'. A red box labeled 'E' highlights the 'Fitting' dropdown menu.
- Length Section:** Includes fields for 'Length (1/10mm)', 'Border (1/10mm)', 'Index', and '(Paper Width; Surface; Num)'. A red box labeled 'D' highlights the 'Length' field.
- Product Name Section:** Includes fields for 'Product Name', 'Print Count', 'Unit Price', 'Price', 'Basic Fee', and 'Index Fee'. A red box labeled 'G' highlights the 'Clear' button.
- Frame Info Section:** Includes fields for 'Image File Path', 'Paper Width', 'Surface', 'Paper Length', 'Picture Format', 'Type', 'Repeat Count', 'CVP Conf', 'CVP line 1', 'CVP line 2', 'Paper Name', 'Resolution', 'Width Border', 'Trimming', 'Start Point (X, Y)', 'Size (X, Y)', 'Unit', 'Paper Fitting', 'Rotate (1/10°)', and 'Front Print'. A red box labeled 'H' highlights the 'Image File Path' field.
- Buttons:** 'Add' (labeled A), 'Delete' (labeled H), 'Clear' (labeled G), 'Save', 'Read', and 'Back'.

Red lines connect the labels A through H to their respective 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.

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.

**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.

**FastPrint:** Specify whether or not to use the fast print function.

Options	Description
QSS_FAST_PRINT_OFF	Use the fast print function
QSS_FAST_PRINT_ON	Not use the fast print function

**Priority:** Choose the priority of the order.

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

Options	Description
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.

**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).

**Print Mode:** Choose the print type of the order.

**Resolution:** Specify the resolution of the paper to print on. When 0 is specified, the default resolution of the paper will be used. (unit: 1/10 dpi)

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

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

**Paper Length Min:** Specify the minimum advance length of the paper specified for the order. (unit: 1/10 mm)

**Paper Length Max:** Specify the maximum advance length of the paper specified for the order. (unit: 1/10 mm)

**Paper Tone:** Choose the color depth for a pixel to represent the gradation of the paper. When 0 is specified gradation specified on the printer will be used.

**Paper Name A-D:** To print on sheet paper, specify the name of paper. To print on roll paper leave it blank.

**Both Side Print:** Specify whether or not to perform duplex printing. (1: Perform duplex printing, Others: Not perform duplex printing)

**Collate:** Specify whether to collate prints. (1: Collate, Others: Not collate)

**Copies:** Specify the number of copies to make.

**Blank Page:** Specify the position to insert a blank page. Blank page will be inserted in front of the image you have specified.

**Blank Page Num:** Specify the number of blank pages. (range: 0-9999)

**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)

**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.

**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 1<sup>st</sup> line of correction value print.

**CVP line 2:** Specify the data to be printed on the 2<sup>nd</sup> line of correction value print.

**Paper Name:** To print on sheet paper, specify the name of paper. To print on roll paper leave it blank.

**Resolution:** Specify the resolution of the paper to print on. When 0 is specified, the default resolution of the paper will be used. (unit: 1/10 dpi)

**Paper Tone:** Choose the color depth for a pixel to represent the gradation of the paper. When 0 is specified gradation specified on the printer will be used.

**Width 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.

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

<i>Options</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.

**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.

**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.

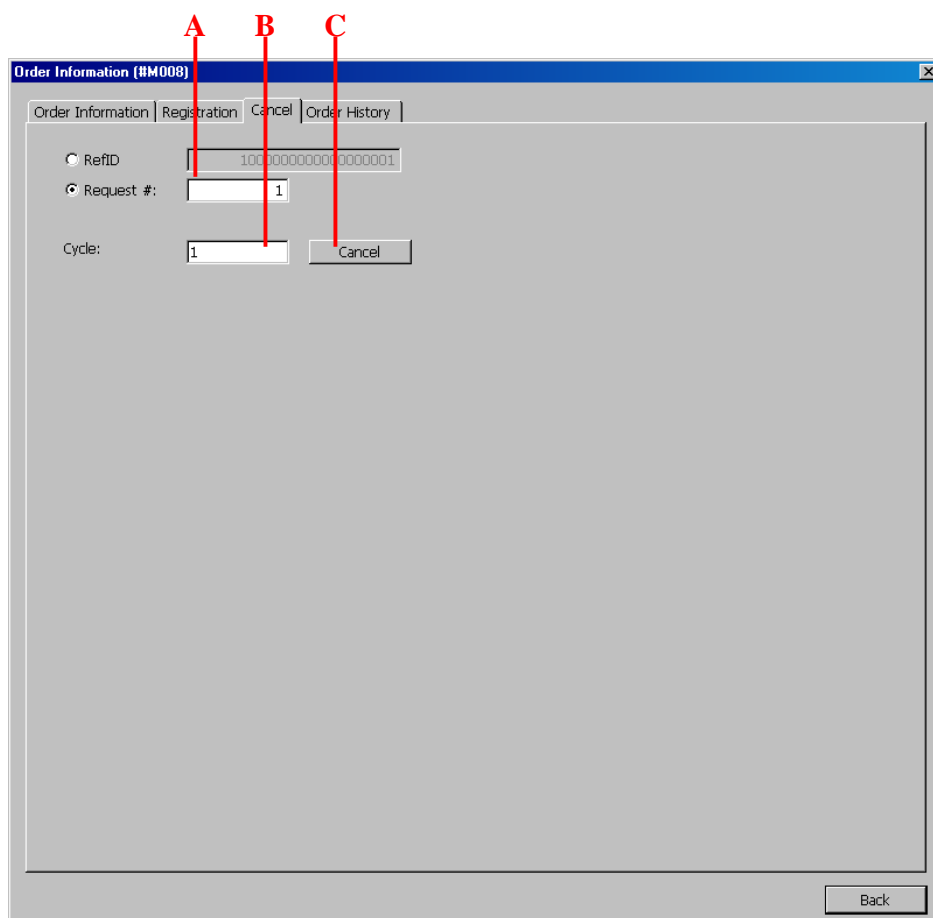
1. Click "8. Order Information" from the Menu screen so the Order Information screen will be brought up. (See below.)
2. Choose "All (Request #)" for "Getting Options" (marked "A" in red).
3. Define the interval to get order information in second in "Interval" (B).
4. Define the number of orders whose 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 OSS 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.

The screenshot shows a software window titled "Error / Attention Status (#1005)". It contains two sections:

- Error / Attention Count:** This section has a "Getting Option:" dropdown menu set to "Error" (labeled A), a "Count:" input field containing "0" (labeled B), and a "Get" button (labeled D).
- Error / Attention:** This section has a "Getting Option:" dropdown menu set to "Error & Attention" (labeled C), a "Maximum Count:" input field containing "5" (labeled E), and a "Get" button.

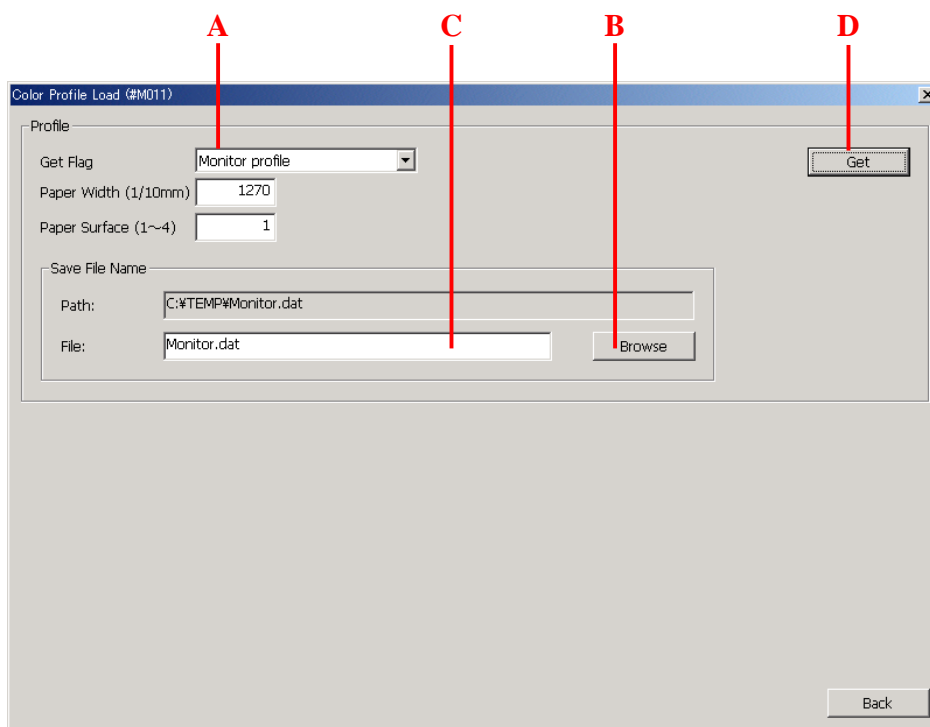
Below these sections is a table with four columns: "Error number", "Error number", "Level", and "Message". The first row contains the values "1627", "1", "1", and "Would you like to execute the Forced Cut?". There are several empty rows below it. At the bottom right of the window is a "Back" button.

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 a close button. The main area is divided into two sections. The top section is labeled 'Profile' and contains a 'Get Flag' dropdown menu set to 'Printer profile', a 'Paper Width (1/10mm)' text box with '1270', and a 'Paper Surface (1~4)' text box with '1'. The bottom section is labeled 'Save File Name' and contains a 'Path' text box with 'C:\TEMP\Printer.dat', a 'File' text box with 'Printer.dat', and a 'Browse' button. A 'Get' button is located in the top right corner, and a 'Back' button is in the bottom right corner. Red vertical lines with labels A through E point to the following elements: A points to the 'Get Flag' dropdown, B points to the 'Paper Width' and 'Paper Surface' text boxes, C points to the 'Browse' button, D points to the 'File' text box, and E points to the 'Get' 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