TOSHIBA

DIGITAL PLAIN PAPER COPIER
OPERATOR'S MANUAL
FOR PRINTER FUNCTION

NETWORK PRINTER BOARD GA-1140
QUICK START GUIDE

e-STUDIO550

e-STUDIO650

e-STUDIO810

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INTRODUCTION

ABOUT THE MANUALS

ABOUT THE QUICK START GUIDE

Thank you for purchasing the TOSHIBA e-STUDIO550/650/810, GA-1140 Printer Board.

This QUICK START GUIDE provides the setup flow for installation of the e-STUDIO550/650/810 Printer Unit and contents of the printer reference manuals. The reference manuals for users and system administrators are found on the User Documentation CD-ROM which is shipped with this product.

ABOUT THE MANUALS

The manuals are included in the User Documentation CD-ROM.

In oder to display the manuals, Adobe® Acrobat® Reader™ 4.0 or later is required. If you do not have Acorbat Reader, it is also included in the User Documentation CD-ROM.

The following reference manuals may be found on the enclosed User Documentation CD-ROM.

- *User's Guide* (User's Guide.pdf) describes how to install the user softwares and how to operate printing from workstations.

    The contents for the manual are shown below:
    - Introduction
    - Installing User Software on a Windows Computer
    - Installing User Software on a Mac OS Computer
    - Printing from Windows Computers
    - Printing from Mac OS Computers
    - Advanced Features
    - Tracking and Managing Print Jobs
    - Troubleshooting
    - Appendix

- *Administrator's Guide* (Administrator's Guide.pdf) describes how to set up the TOSHIBA GA-1140 printer on a network and administer the printer.

    The contents for the manual are shown below:
    - Introduction
    - Preparing for GA-1140 Setup
    - Setting up Network Servers
    - Setting up the Network Setup Options

- Setting up the Printer Setup Options
- Setting up the TopAccess Setup Options
- Administrative Functions
- Troubleshooting
- Appendix

If you have the PS3 Scan & HDD Upgrade kit (GE-1060 + GE-1110), the following reference manuals are found on the enclosed User Documentation CD-ROM for PS3 Scan & HDD Upgrade.

- **Fiery Utilities Guide** (Fiery Utilites Guide.pdf) describes how to use optional softwares such as Fiery WebTools, Command WorkStation, FreeForm, and DocBuilder Pro.
  The contents for the manual are shown below:
  - Introduction
  - Using Fiery WebTools
  - Using Command WorkStaion
  - Using DocBuiler Pro
  - Troubleshooting

- **Scan & E-mail Service Guide** (Scan & E-mail Service Guide.pdf) describes how to set up the optional scan and e-mail service features on the GA-1140 and operate scanning.
  The contents for the manual are shown below:
  - Introduction
  - Installing the User Software
  - Setting up and Administering
  - Scanning
  - Using Fiery E-mail Service
  - Appendix

SYSTEM REQUIREMENTS

SYSTEM REQUIREMENTS

The e-STUDIO550/650/810 GA-1140 print controller operates in the following environments.

CONNECTOR CABLE

For Local Environment

Be sure to use the correct type of cable.

• IEEE 1284 printer cable (Compatible mode, ECP)

For Network Environment

Be sure to use the correct type of cable and network device for your network interface card.

• 10BASE-T/100BASE-TX

  STP cable with a Category 5 RJ-45 connector.

FOR WINDOWS

This machine can be used in local mode via a parallel printer cable, on a network via TCP/IP or IPX/SPX.

• Hardware

Display Resolution	: 1024 x 768 dots or more
Display Color	: High Color (16bit) or higher is recommended
CPU	: 80486, AMD, or Pentium processor

Memory

Windows 95	: 16MB or more
Windows 98	: 24MB or more
Windows Me and Windows NT 4.0	: 32MB or more
Windows 2000 and Windows XP	: 64MB or more

• OS

Microsoft Windows 95 Operating System, English Version

Microsoft Windows 98 Operating System, English Version

Microsoft Windows Me Operating System, English Version

Microsoft Windows NT Workstation Operating System 4.0 with Service Pack 6 or later, English Version

Microsoft Windows NT Server Network Operating System 4.0 with Service Pack 6 or later, English Version

Microsoft Windows 2000 Professional Operating System with Service Pack 2 or later, English Version

Microsoft Windows 2000 Server Operating System with Service Pack 2 or later, English Version

Microsoft Windows XP Home Edition Operating System, English Version

Microsoft Windows XP Professional Operating System, English Version

FOR MACINTOSH

This machine can be used on the network via AppleTalk (Ethernet).

- Hardware
  Display Resolution   : 1024 x 768 dots or more
- OS
  Mac OS 8.6 to 9.2, Mac OS X (Classic Mode only)

TOPACCESS

TopAccess can be used in the following environment:

- Applicable OS   : Windows 95, Windows 98, Windows Me, Windows NT 4.0, Windows 2000, Windows XP, and Mac OS 8.6 or later
- WWW Browser   : Netscape Communicator 4.5 or later, and Java enabled or Microsoft Internet Explorer 5.5 and Service Pack 2, or later with Java enabled.
- Protocol   : TCP/IP

NETWORK SERVER

Printing can be performed with the following network servers:

- TCP/IP network   : Windows NT 4.0, Windows 2000
- IPX/SPX network   : NetWare 3.x, 4.x, or 5.x

SETUP FLOW AND UTILITY

SETUP FLOW CHART

This chapter describes the procedure and reference of the manuals for each procedure according to the operating system and the environment for printing.

FOR WINDOWS

For Parallel Connection

To print with the GA-1140 connected in parallel connection, you can print via LPT1 port.

Setup Flow	Procedure	Reference Manual
		Required utility or item used for the procedure

Connect the GA-1140	Connect the GA-1140 and a computer with a parallel cable.	**Administrator's Guide** ▼ Preparing for GA-1140 Setup ➤ Connecting to the Parallel Port
		-

Install the Printer Driver	Install the printer driver and set up the installable options and user information on the printer driver.	**User's Guide**
		▼ Installing User Software on a Windows Computer
		  ▼ Installing the Printer Driver
		    ➤ Installing the Printer Driver for Parallel Printing
		    ➤ Configuring the Options
		    ➤ Setting the User Information

		CD-ROM

For SMB Printing

To print with the GA-1140 connected to a Windows network, you can print by SMB printing.

Setup Flow	Procedure	Reference Manual
		Required utility or item used for the procedure

Connect the GA-1140	Connect the GA-1140 to your network.	**Administrator's Guide** ▼ Preparing for GA-1140 Setup ➤ Connecting to the Network
		-

Setup the TCP/IP	Assign the IP address, Subnet Mask, and Gateway address to enable TopAccess.	**Administrator's Guide** ▼ Setting up the Network Setup Options ▼ Setting up the Protocols ➤ Setting up the TCP/IP Options
		Touch Panel Display

Setup the SMB printing	Enable the Windows Printing Service and configure the network options.	**Administrator's Guide** ▼ Setting up the Network Setup Options ▼ Setting up the Print Services ➤ Setting up the Windows Printing Service
		TopAccess

Install the Printer Driver	Install the printer driver and set up the installable options and user information on the printer driver.	**User's Guide** ▼ Installing User Software on a Windows Computer ▼ Installing the Printer Driver ➤ Installing the Printer Driver for SMB Printing ➤ Configuring the Options ➤ Setting the User Information
		CD-ROM

For LPR Printing

To print with the GA-1140 connected to a TCP/IP network from the Windows NT 4.0, Windows 2000, and Windows XP, you can print using the TCP/IP and LPR connection as well.

Setup Flow	Procedure	Reference Manual
		Required utility or item used for the procedure

Connect the GA-1140	Connect the GA-1140 to your network.	**Administrator's Guide** ▼ Preparing for GA-1140 Setup ➤ Connecting to the Network
		-

Setup the TCP/IP	Assign the IP address, Subnet Mask, and Gateway address.	**Administrator's Guide** ▼ Setting up the Network Setup Options ▼ Setting up the Protocols ➤ Setting up the TCP/IP Options
		Touch Panel Display

Setup the LPR printing	Enable the LPD Printing Service.	**Administrator's Guide** ▼ Setting up the Network Setup Options ▼ Setting up the Print Services ➤ Setting up the LPD Printing Service
		TopAccess

Install the Printer Driver	Install the printer driver and set up the installable options and user information on the printer driver.	**User's Guide** ▼ Installing User Software on a Windows Computer ▼ Installing the Printer Driver ➤ Installing the Printer Driver for LPR Printing ➤ Configuring the Options ➤ Setting the User Information
		CD-ROM

For IPP Printing

To print with the GA-1140 connected to a TCP/IP network from the Windows 2000 and Windows XP, you can print via Internet or Intranet using the IPP connection.

Setup Flow	Procedure	Reference Manual
		Required utility or item used for the procedure

| Connect the GA-1140 | Connect the GA-1140 to your network. | **Administrator's Guide**
▼ Preparing for GA-1140 Setup
   ➤ Connecting to the Network |
| | | - |

| Setup the TCP/IP | Assign the IP address, Subnet Mask, and Gateway address. | **Administrator's Guide**
▼ Setting up the Network Setup Options
   ▼ Setting up the Protocols
      ➤ Setting up the TCP/IP Options |
| | | Touch Panel Display |

| Install the Printer Driver | Install the printer driver and set up the installable options and user information on the printer driver. | **User's Guide**
▼ Installing User Software on a Windows Computer
   ▼ Installing the Printer Driver
      ➤ Installing the Printer Driver for IPP Printing
      ➤ Configuring the Options
      ➤ Setting the User Information |
| | | CD-ROM |

For Novell Network

Where the GA-1140 is connected to a network with Novell network, you can print via a NetWare server.

Setup Flow	Procedure	Reference Manual
		Required utility or item used for the procedure

| Connect the GA-1140 | Connect the GA-1140 to your network. | **Administrator's Guide**
 ▼ Preparing for GA-1140 Setup
 ➤ Connecting to the Network |
| | | - |

| Setup the Print Server | Setup the NetWare server. | **Administrator's Guide**
 ▼ Setting up the Network Servers
 ➤ NetWare Server Setup |
| | | NetWare Server |

| Setup the TCP/IP | Assign the IP address, Subnet Mask, and Gateway address to enable TopAccess. | **Administrator's Guide**
 ▼ Setting up the Network Setup Options
   ▼ Setting up the Protocols
     ➤ Setting up the TCP/IP Options |
| | | Touch Panel Display |

| Setup the Novell Configuration | Select the frame type. | **Administrator's Guide**
 ▼ Setting up the Network Setup Options
   ▼ Setting up the Protocols
     ➤ Setting up the IPX/SPX Options |
| | | TopAccess |

Continue to next page.

Configure the NetWare Setup on the GA-1140

Administrator's Guide

▼ Setting up the Network Setup Options

   ▼ Setting up the Print Services

      ➤ Setting up the NetWare Options

TopAccess

Install the Printer Driver

Install the printer driver and set up the installable options and user information on the printer driver.

User's Guide

▼ Installing User Software on a Windows Computer

   ▼ Installing the Printer Driver

      ➤ Installing the Printer Driver for Novell Printing

      ➤ Configuring the Options

      ➤ Setting the User Information

CD-ROM

FOR MACINTOSH

To print from the Macintosh computer, you can print via the AppleTalk for Ethernet.

PS : The PS3 Upgrade (GE-1020) or PS3 Scan & HDD Upgrade (GE-1060+GE-1110) is required to use the GA-1140 in the AppleTalk network.

Setup Flow	Procedure	Reference Manual
		Required utility or item used for the procedure

| Connect the GA-1140 | Connect the GA-1140 to your network. | **Administrator's Guide**
▼ Preparing for GA-1140 Setup
  ➤ Connecting to the Network |
| | | - |

| Setup the TCP/IP | Assign the IP address, Subnet Mask, and Gateway address to enable TopAccess. | **Administrator's Guide**
▼ Setting up the Network Setup Options
  ▼ Setting up the Protocols
    ➤ Setting up the TCP/IP Options |
| | | Touch Panel Display |

| Setup the AppleTalk | Enable the AppleTalk and specify the server name and AppleTalk zone. | **Administrator's Guide**
▼ Setting up the Network Setup Options
  ▼ Setting up the Protocols
    ➤ Setting up the AppleTalk Options |
| | | TopAccess |

| Install the Printer Driver | Install the Adobe PS printer driver and PPD file, and create a printer. | **User's Guide**
▼ Installing User Software on a Mac OS Computer
  ▼ Installing the Printer Driver
    ➤ Installing the Printer Driver to Mac OS Computer |
| | | CD-ROM |

SPECIFICATIONS

SPECIFICATIONS

PRINTER BOARD

Item	Specifications
Product Name	GA-1140
CPU	Intel Pentium 500MHz
Memory	Standard: DIMM 128 Megabytes Expansion slot: DIMM (Upgradable to 256 Mbyte)
Print Speed	Max. 81 pages/minute
Paper Size	A3, A4, A5, B4, B5, FOLIO, LEDGER, LEGAL, LETTER, STATEMENT, COMPUTER, 13inch LEGAL, 8.5SQ, 8K, 16K
Interface: Parallel	Conforming to IEEE-P1284 (Standard, Nibble Mode, ECP Mode)
Interface: NIC	Data Transfer Speed: 10/100 Mbps Connector: 10Base-T/100Base-TX: RJ-45 Connector x 1
Emulation	PCL6
PCL Fonts	81 Roman Fonts
Applicable Computers:	IBM PC/AT computer and compatible. Macintosh computer (when PS3 Upgrade or PS3 Scan & HDD Upgrade is installed.)

OPTIONS

PS3 Upgrade

Item	Specifications
Product Name	GE-1020
Emulation	PS3
PS Fonts	251 Roman Fonts

PS3 Scan & HDD Upgrade

Item	Specifications
Product Name	GE-1060, GE-1110
GE-1060	Disk Space: 10GB
	Emulation: PS3
	PS Fonts: 136 Roman Fonts
	CD-ROM: Command WorkStation
	E-mail Port Monitor
	Fiery Remote Scan
GE-1110	Scan Accelerator Board

Expansion Memory

Item	Specifications
Product Name	GC-1080
	128 Mbyte SDRAM, 168-pin DIMM

Dongle for DocBuilder Pro 1.5

Item	Specifications
Product Name	GB-1160
	Dongle
	CD-ROM: Adobe Acrobat 4.05
* This option should be installed with the PS3 Scan & HDD Upgrade (GE-1060, GE-1110).	

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