CE6000 SERIES

CUTTING PLOTTER

SETUP MANUAL

Preface

Thank you for choosing this product. Carefully keep this manual in a handy location for quick reference as necessity prior to use to ensure safe and correct use and also to thoroughly understand the functions and operate them effectively.

Prior to use

Be sure to read the attached "TO ENSURE SAFE AND CORRECT USE" prior to use. Otherwise, it may cause an unexpected accident or fire.

Notes on this Manual

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Roles of each manual

• Setup Manual (this manual) .... Read it to understand Displaying method for CE6000 User's Manual, Method for connecting this Cutting Plotter with the PC, Installing method for controller driver software, and to prepare for the operation.

• User's Manual (PDF data).......... Read it to thoroughly understand the functions of CE6000.

• Cutting Plotter Controller Manual (PDF data)
.... Read it to run the software "Cutting Plotter Controller" for operation of CE6000 through your PC.

* Ⓜ P.000 describes the reference pages of User's Manual.

* ➡P.00 indicates the reference page in this Setup Manual.

GRAPHTEC

Before starting the Setup

Make the following preparations before starting Setup.

- Check that all of the items included in the package. (Please see 📖P.1-2 in the CE6000 User's Manual (PDF).)
  For the Parts Names, please see 📖P.1-3 in the CE6000 User's Manual (PDF).
- Assemble the CE6000, and set up it. For the assembling procedures, see either Manual attached to the Stand or CE6000 User's Manual (PDF). 📖P.1-9
- When the previous version of Cutting Master 3 was installed, uninstall it.
- To use the Cutting Master 3, previously install the Design application (Adobe Illustrator or Corel Draw) that is used.
  For the latest supported version, please visit our website.
- When there are virus detection program or system resident program, terminate them beforehand.
- Upon installation, be sure to log into Windows using an account with administrator privileges on your computer.

> ⚠ **CAUTION**
>
> Usage of the software
> Each of the Cutting Plotter Controller/Graphtec Studio/Cutting Master 3 software is engaged in various settings on the cutting Plotter. Do not use them at the same time.

Flow of setup

Setting up the Plotter main unit

1. Attaching a Tool	The cutter blade can replaced depending on the material or thickness of the media.	P.03
2. Loading Media (Paper or Marking Film)	Fix the media to the Plotter.	P.04
3. Aligning the Push Rollers	Adjust the position of the push roller.	P.09
4. About the Initial Setup screen	Select "Display Language" and "Length Unit".	P.10
5. Set the media type into the Plotter	Set the media type to the Cutting Plotter, depending on the set media.	P.10
6 Tool adjustment and test cutting	Adjust the protruded cutter edge length and the cutting Force depending on the material and thickness of the media. Make test cutting for the set media to adjust the best condition.	P.11

Installing the Software

Launching the Start menu	For each software of CE6000 install them using the Installer housed in the attached DVD-ROM.	P.14
A. Install CE6000 Software		
Installing the Cutting Plotter Controller	Once Cutting Plotter Controller is installed, you can control main functions of CE6000 through the PC.	P.15
Installing the CE6000 Driver (Cutting Plotter Driver)	The CE6000 Driver software controls the Plotter and makes plotting according to the data created by the PC.	P.16

The procedures vary depending on the Interface.

• To connect using the USB	Turn on the power source of Plotter in the middle of installing, and connect the USB cable.	P.16
• To connect using the RS-232C	Connect the RS-232C cable after installing is finished.	P.16

Install the software as necessity.

B. Setup the Graphtec Studio	Software enabling cutting data to be created through simple commands. Create designs and edit characters/shapes using this software.	P.17
C. Setup the Cutting Master 3	Plug-in driver that enables simple cutting through direct operation from within Adobe Illustrator and CorelDRAW.	P.18
D. Install the User's Manual	Installs the CE6000 User's Manual.	P.19

Setting up the Plotter main unit

1. Attaching a Tool

Attach a tool (cutter plunger, plotter pen) to the plotter.

Attaching a Tool

When mounting the tool in the tool holder, please note the following.

- Push the tool all the way into the holder until its flange contacts the upper part of the holder and then tighten the screw firmly.
- To prevent injury, avoid absolutely touching the tool immediately after the cutting plotter is turned on or whenever the tool is moving.

For details, see "Attaching a Tool" on ⓂP.2-4 in CE6000 User's Manual.
It is explained here using cutter plunger as an example.

> ⚠ **CAUTION**
>
> When pushing the tool holder with your fingers, the blade tip may be protruding. Take care not to cut your fingers.

1 Loosen the tool holder screw.

Bracket to hold tool   Tool holder

Tool holder

Bracket to hold tool

Top
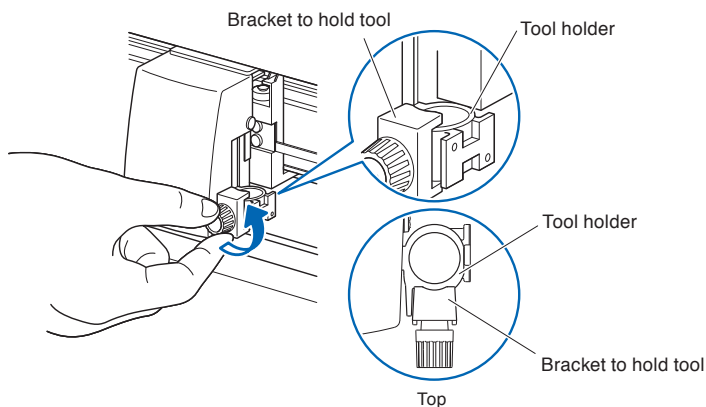
2 While pushing up the tool holder, push until its flange completely touches the upper part of the holder.

Bracket to hold tool   Flange   Tool holder

○ OK   × NG
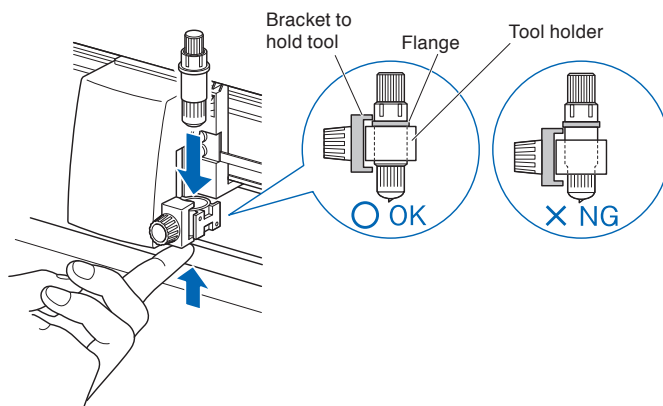
3 Make sure that the tool bracket is engaged on the tool's flange, and then tighten the screw.

Bracket to hold tool   Flange
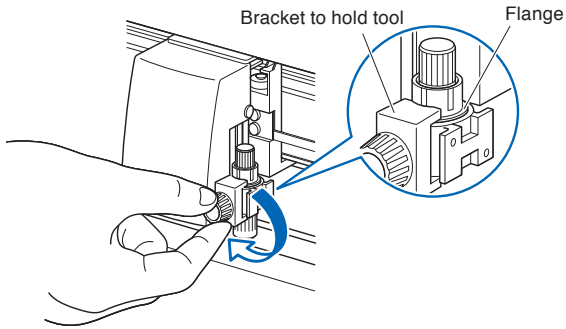
Removing the tool

When removing the tool, turn it counterclockwise to remove the tool.

2. Loading Media (Paper or Marking Film)

Both roll media and sheet media can be used with the CE6000.
Load the media according to the instructions given for each type. Use the grit roller on the right side of the media (looking from the front) as a guide when setting it in the media sensor. Afterwards, adjust the push roller so that it's lined up with the side of the media.
For details, see CE6000 User's Manual (PDF).
This will be explained mainly in CE6000-120.

Loading Roll Media

1 Lower the media set lever to raise the push rollers.

Media sensor   Push roller   Media set lever
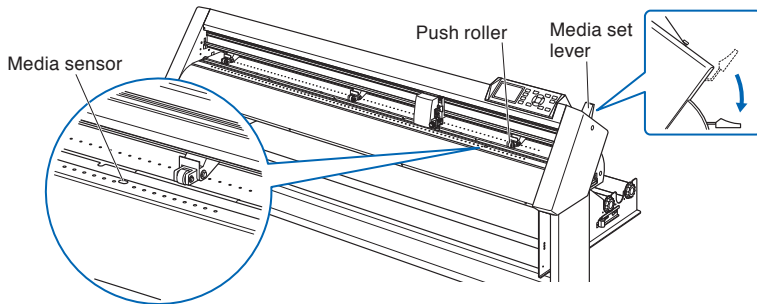
Supplement

For more information about the position of the push roller, see "Adjust the Push Roller" on .

2 Set the roll media on top of the stock shaft, and then insert the roll media into the stopper. Once it's set, tighten the stopper's screws.
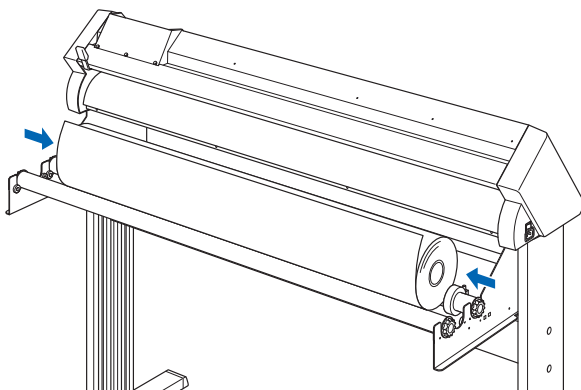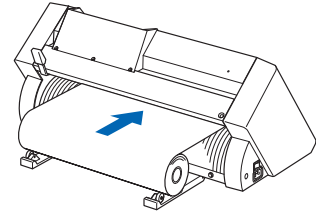
3 Push the tip of the roll media forward from the back of the CE6000. Make sure to pull it so that there is no slackening across the roll media's route.
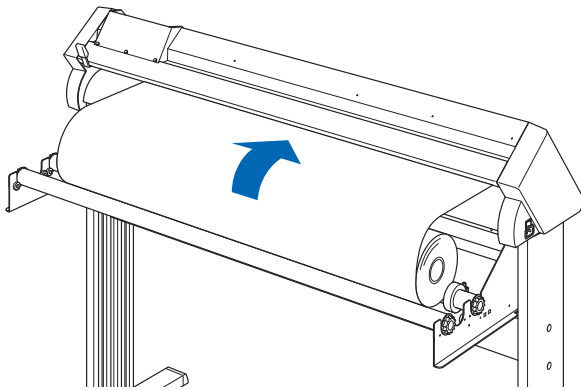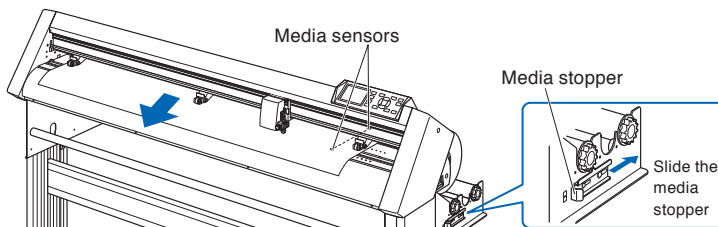
When using CE6000-40

Put the roll media on the roll media tray and then push the tip of the roll media forward from the back of the machine.

4 Press the media stopper to engage it, and then pull the leading edge out of the front of the plotter, making sure that it completely covers the media sensor.

Media sensors

Media stopper

Slide the media stopper

Media stopper

This stops the stock shaft from spinning when setting in media. It is also utilized when pulling roll media straight out.
The media stopper is attached to CE6000-60/120 only.

Supplement

When actually cutting, please release the lock from the media stopper (while pulling to the exterior, slide it forward). (See [M]P.7)

5 Position the media and the push rollers to correspond with the width of the media.

When the CE6000-40/60

The push rollers push down on either side of the media. Use the grit roller position guide to make sure the push rollers are set on top of the grit rollers.
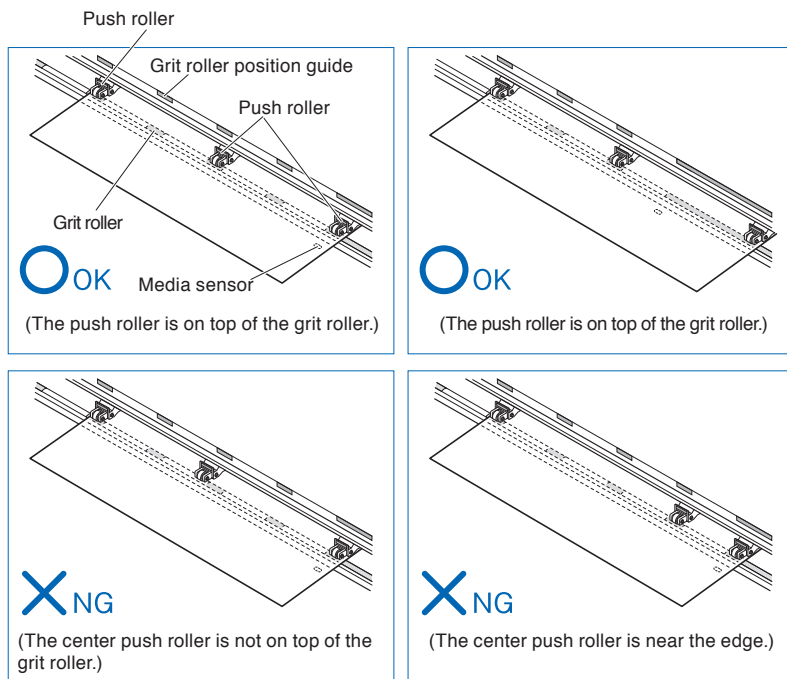
Push roller

Grit roller

Grit roller position guide

Push roller
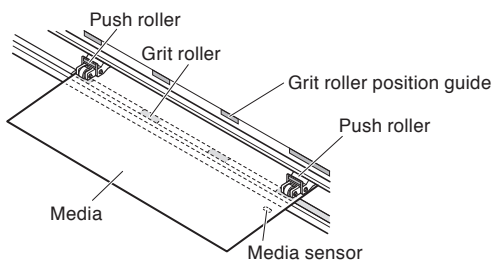
Media

Media sensor

Supplement

- The media must always be positioned over the media sensor.
- See "Aligning the Push Rollers" [M]P.9 about the position of the push rollers.

When the CE6000-120

Use the 3 push rollers to push down the sides and center of the media. Use the grit roller position guide and make sure the push rollers are on top of the grit rollers.
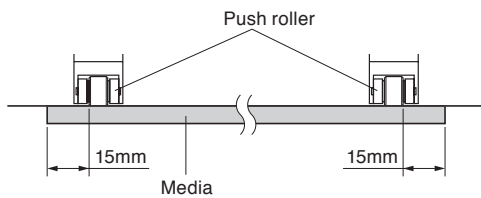You can adjust the center push roller's hold-down force.

○ OK

(The push roller is on top of the grit roller.)

○ OK

(The push roller is on top of the grit roller.)

✕ NG

(The center push roller is not on top of the grit roller.)

✕ NG

(The center push roller is near the edge.)

When Feeding Long-axis Media (at exceeds 2 meters)

Position the push rollers at least 15 mm inside the edges of the media.
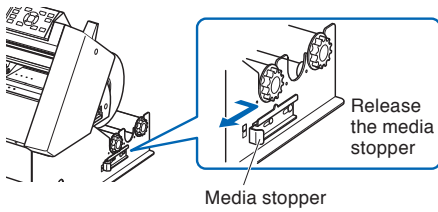

When Feeding Long-axis Media (at least 2 meters)

Position the push rollers at least 5 mm inside the edges of the media.
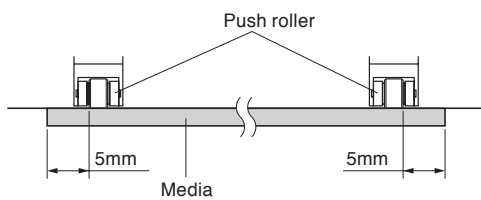

6 Pull the media taut to make sure that there is no slack in the conveyance path, and then raise the media set lever to lower the push rollers.
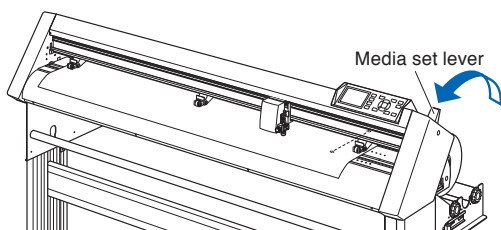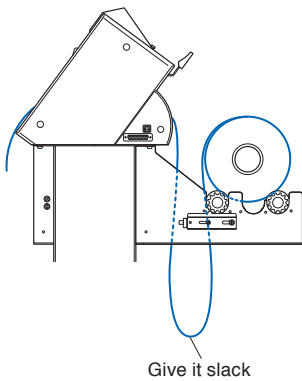
7 Release the lock from the media stopper (Pull the sides and slide it forward).

Release the media stopper

Media stopper

8 When the set lever is up (and the media is held down by the push rollers) and the media stopper is unlocked, pull out the roll media and give it slack.
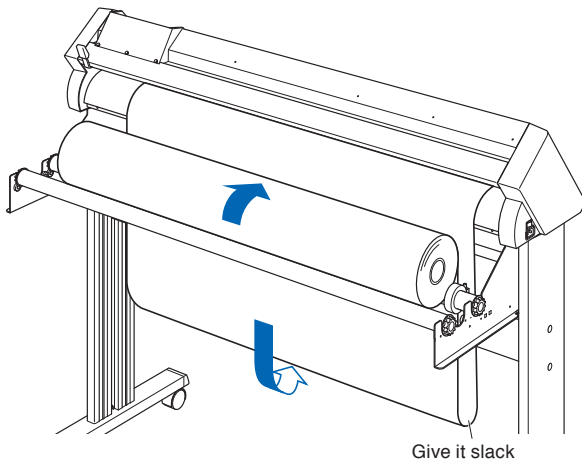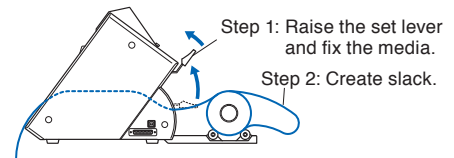
> **Supplement**
>
> Dirt from the floor may stick to the media when giving it slack, so please be careful.

Give it slack

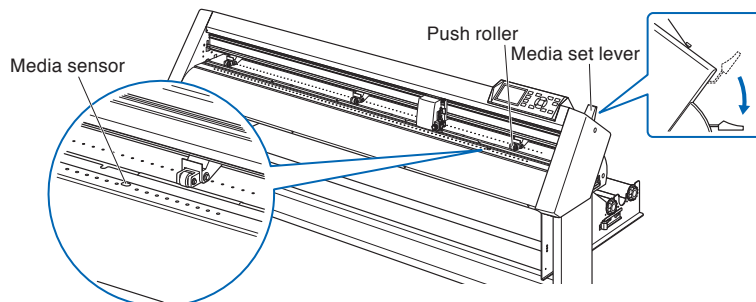Create the same amount of slack in the media as will be used for the back of the machine.

> **When the CE6000-40**
>
> Create the same amount of slack in the media as will be used for the back of the machine.
>
>
>
> Step 1: Raise the set lever and fix the media.
>
> Step 2: Create slack.

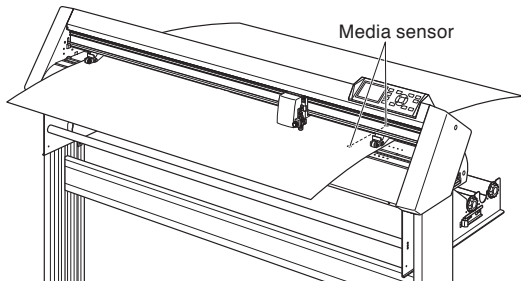Give it slack

Loading Sheet Media

1 Lower the media set lever to raise the push rollers.

> **Supplement**
>
> See "Aligning the Push Rollers" P.9 about the position of the push rollers.

Media sensor

Push roller

Media set lever

2 Make sure that the sheet media completely covers the media sensor.

Media sensor

3 Position the media and the push rollers to correspond with the width of the media.

When the CE6000-40/60

4 Pull the media taut to make sure that there is no slack in the conveyance path, and then raise the media set lever to lower the push rollers.
Set the sheet media so that the paper's edges line up with the guideline on the front side.

Media set lever

Line up
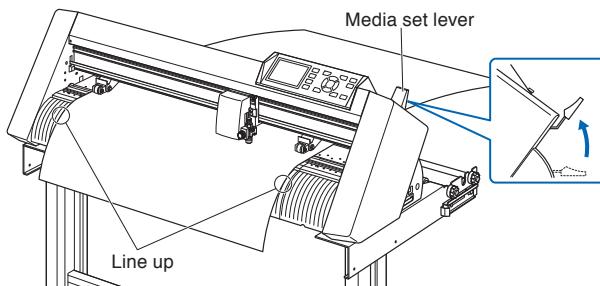
When the CE6000-120

4 Pull out the front media under the media guide bar.

Media guide bar
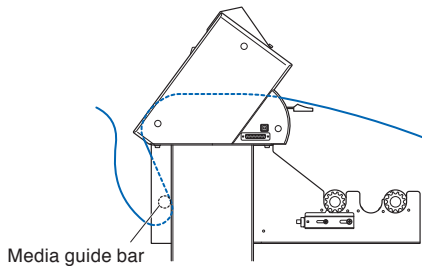
5 You can set the media straight by stacking media you pull out and matching the edges up together.
After you check to make sure there's no slack, raise the media set lever and fixate the sheet media in the push roller.
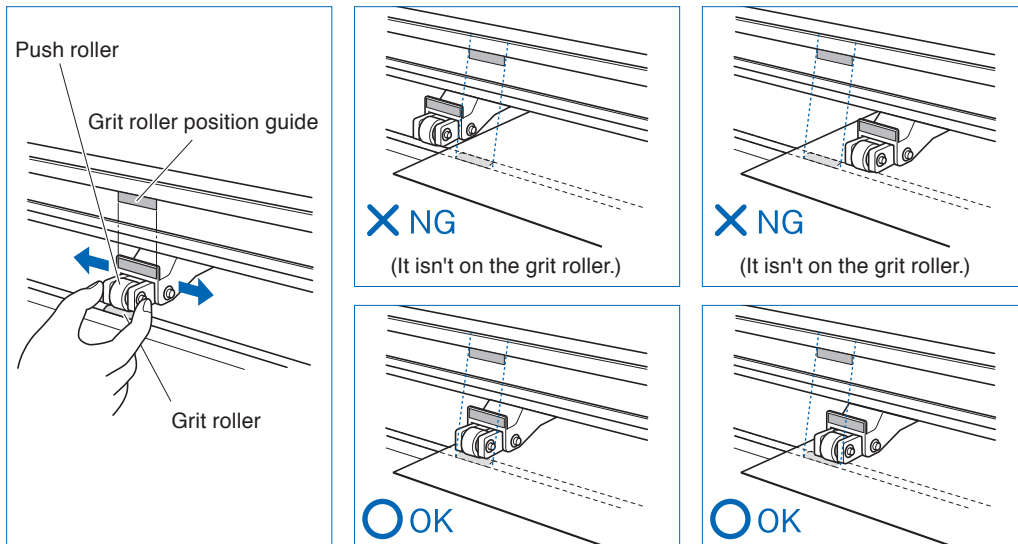
Media set lever

Line up

Media guide bar
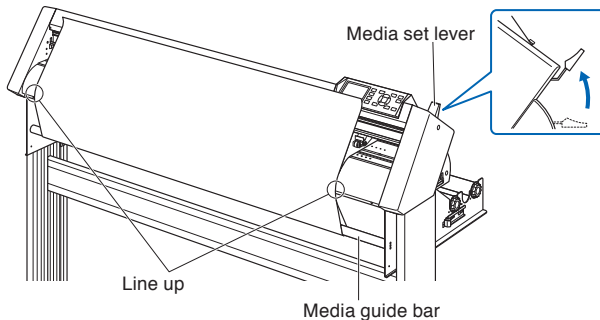
3. Aligning the Push Rollers

This section describes how to alignment of the push rollers.

Aligning the Push Roller

Position the left and right push rollers to correspond with the width of the media. Adjust the push rollers so that they are positioned above both the media and the grit rollers.
Position the push rollers within the grit roller position guides ensures that they are above the grit rollers.

⚠ **CAUTION**

To move the push rollers, the media set lever must be in the lowered position.
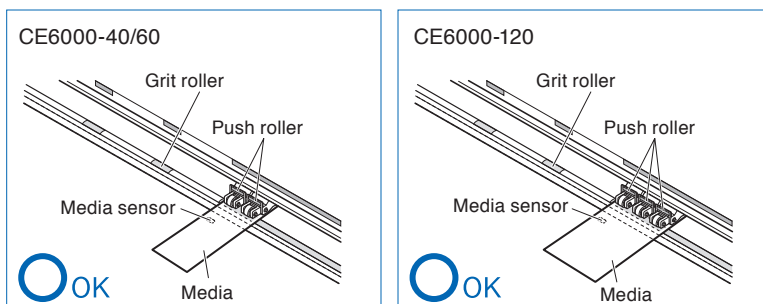
Supplement

If a [confirming push roller point] message appears after setting the media and raising the media set lever, it means the right push roller is not on the right grit roller, or that the left or center (CE6000-120) push roller is not on the proper grit roller. Make sure everything is set correctly.

For minimum width media

Make sure that all push rollers are on the long right grit roller.Use the left side of the grit roller as a starting point and then set the push rollers so that they're on both sides of the media.
The CE6000-40/60 can take media of 55 mm or more, and the CE6000-120 can take media of 90 mm* or more.

* When using the CE6000-120, and all push rollers are on the right grit roller (wide), turn the center (all rollers but the side rollers) push roller hold-down force OFF.

Supplement

The CE6000-120 requires the center push roller hold-down force to be set based on the media's width and material type in order to keep the media in place. (This only applies to the CE6000-120)
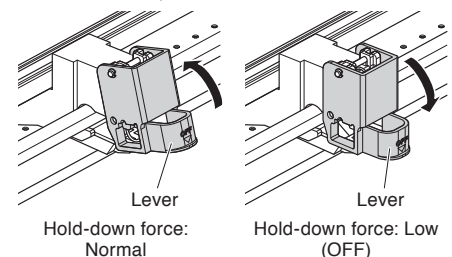
Refer to "Changing the Hold-down Force" on P.2-24.

4. About the Initial Setup screen

The Initial Setup screen appears only when powering up the Cutting Plotter for the first time after purchase. Here, you can set "Display Language" and "Length Unit".

After the initial setup is completed, you can also select the menu from the READY status.
See "2.6 Connecting to the Power" for turning on the power.

1 Once the machine is powered on (with the " I " switch) a message will be displayed after the version is displayed.

▷Here, PLEASE DISPLAY LANGUAGE setting screen is displayed.

```
PLEASE SELECT LANGUAGE

English  日本語    Deutsch
Francais Italiano Espanol
Portugues PYCCKИЙ 中文
한글
              ◀▶▲▼ ENT
                      ER
```

2 Use the POSITION (▲▼◀▶) keys to select the language.
(This manual assumes you chose the English language setting.)

3 Press the [ENTER] key.

▷After the DISPLAY LANGUAGE is selected, the LENGTH UNIT screen will appear.

```
LENGTH UNIT

1 METRIC
2 INCH



              ENT
              ER
```
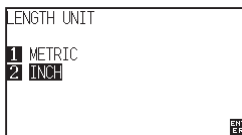
**4** Press the [1] key (METRIC) or the [2] key (INCH) to select the length unit setting.

5 Confirm the setting and press the [ENTER] key (SET).

▷Setting will be set, and the default screen is displayed.

5. Set the media type into the Plotter.

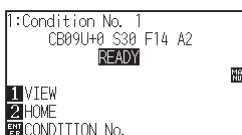Set the media type into the Plotter depending on the preset media.

1 If you have already loaded the media, the MEDIA TYPE menu appears. Select the media type to suit the loaded media.

```
SELECT
1 ROLL-1 FRONT EDGE
2 ROLL-2 CURRENT POSITION
3 SHEET


```
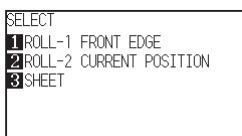
Roll media	Plot starting with the edge of media.	[1] ROLL-1 FRONT EDGE
	Plot starting with the preset position.	[2] ROLL-2 CURRENT POSITION
Sheet media	Set a sheet media.	[3] SHEET
CONTINUE	When similar media is reset	[4] CONTINUE

2 After the media is detected, the plotter is ready to receive data for cutting or plotting. This status is called "READY status" of the default screen. When setting is finished, the tool carriage's location will become the initial point.

▷Dfault screen is displayed.

```
1:Condition No. 1
  CB09U+0 S30 F14 A2
         READY
                      HD
                      HL
1 VIEW
2 HOME
ENT CONDITION No.
ER
```

Menu screen
(Normal mode)

```
For outdoor use
CB09U S20 F12+0   SimpleMD
         READY

1 VIEW
2 HOME
CON CHANGE SETTING
DI
```
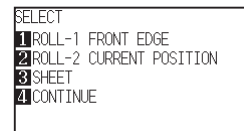
Menu screen
(Simple mode)

⚠ **CAUTION**

Release the media stopper in CE6000-60/120.

Supplement

The CONTINUE menu parameter appears when the media set lever is raised and then lowered again after media was previously loaded, making it possible to select the previous settings.

```
SELECT
1 ROLL-1 FRONT EDGE
2 ROLL-2 CURRENT POSITION
3 SHEET
4 CONTINUE
```

Simple mode/ Normal mode

You can use the [SIMPLE] key on the default screen to switch between Simple mode and Normal mode. CE6000 will be reset once when you switch.
In Simple mode you can change easy settings from the menu screen.
In Normal mode, you will be able to change more detailed settings.
Simple mode and Normal mode are independent from one another. The settings of the mode you're currently in will take precedence.
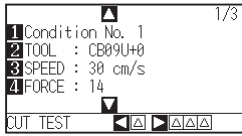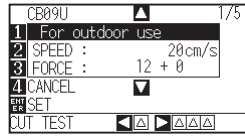For details, see "About Simple mode" on page .

6. Tool adjustment and test cutting

After setting the Tool/Speed/Force/Acceleration, make test cutting, and repeat until optimal condition is achieved.

1 Load the media for test cutting in the plotter.

2 Press the [COND/TEST] key in the default screen.
  ▷ In Normal mode, CONDITION screen (1/3) is displayed.
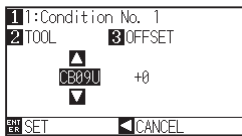 ▷ In Simple mode, CONDITION screen (1/5) is displayed.

```
┌─────────────────────────┐      ┌─────────────────────────┐
│              ▲      1/3  │      │ CB09U        ▲     1/5  │
│ 1 Condition No. 1        │      │ 1  For outdoor use      │
│ 2 TOOL  : CB09U+0        │      │ 2 SPEED :      20cm/s   │
│ 3 SPEED : 30 cm/s        │      │ 3 FORCE :    12 + 0     │
│ 4 FORCE : 14             │      │ 4 CANCEL       ▼        │
│              ▼           │      │ ENTER SET               │
│ CUT TEST   ◀ △ ▶ △△△     │      │ CUT TEST   ◀ △ ▶ △△△    │
└─────────────────────────┘      └─────────────────────────┘
     CONDITION screen                  CONDITION screen
      (Normal mode)                     (Simple mode)
```
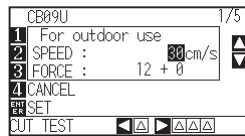
3 Set the Tool conditions (Tool, Speed, Force, Acceleration).

```
┌─────────────────────────┐      ┌─────────────────────────┐
│ 1 1:Condition No. 1      │      │ CB09U        ▲     1/5  │
│ 2 TOOL      3 OFFSET     │      │ 1  For outdoor use      │
│            ▲             │      │ 2 SPEED :      30 cm/s  │
│          CB09U    +0     │      │ 3 FORCE :    12 + 0     │
│            ▼             │      │ 4 CANCEL       ▼        │
│ ENTER SET      ◀ CANCEL  │      │ ENTER SET               │
│                          │      │ CUT TEST   ◀ △ ▶ △△△    │
└─────────────────────────┘      └─────────────────────────┘
  Ex.) TOOLS CONDITION             Ex.) TOOLS CONDITION
 Settings screen (Normal mode)    Settings screen (Simple mode)
```
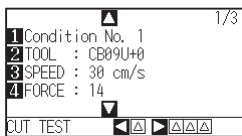
> ⚠ **CAUTION**
>
> Do not touch the Tool edge when power is turned on or during operation.

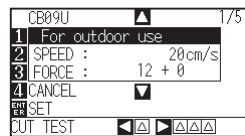> **Setting the Tool conditions**
>
> For more information about the various cutting conditions, see "Selecting Tool Condition" on page P.2-35 .

To make 1 cut with set value

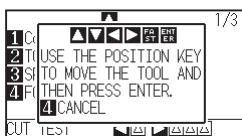**4** Make test cutting for one piece while Tool conditions are being set.

```
┌─────────────────────────┐      ┌─────────────────────────┐
│              ▲      1/3  │      │ CB09U        ▲     1/5  │
│ 1 Condition No. 1        │      │ 1  For outdoor use      │
│ 2 TOOL  : CB09U+0        │      │ 2 SPEED :      20cm/s   │
│ 3 SPEED : 30 cm/s        │      │ 3 FORCE :    12 + 0     │
│ 4 FORCE : 14             │      │ 4 CANCEL       ▼        │
│              ▼           │      │ ENTER SET               │
│ CUT TEST   ◀ △ ▶ △△△     │      │ CUT TEST   ◀ △ ▶ △△△    │
└─────────────────────────┘      └─────────────────────────┘
     CONDITION screen                  CONDITION screen
      (Normal mode)                     (Simple mode)
```
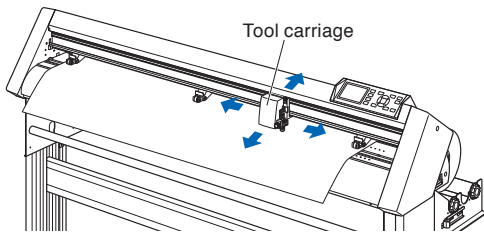
(1) Press the POSITION (◀) key (CUT TEST).

```
┌─────────────────────────┐
│              ▲      1/3  │
│ 1 C △▼◀▶ ENTER           │
│ 2 T USE THE POSITION KEY │
│ 3 S TO MOVE THE TOOL AND │
│ 4 F THEN PRESS ENTER.    │
│      4 CANCEL            │
│ CUT TEST   ◀ △ ▶ △△△     │
└─────────────────────────┘
```

(2) Press the POSITION (▲▼◀▶) key the tool carriage to the location you wish to perform the test cutting.
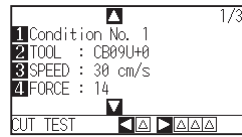
Tool carriage

Press the [ENTER] key.
 ▷ Cut test pattern is cut.

> ⚠ **CAUTION**
>
> When the [ENTER] key is pressed, the tool carriage will start moving, so take care not to cut your fingers.

To make 3 cuts with set value and ±1 of set value

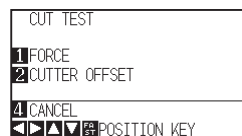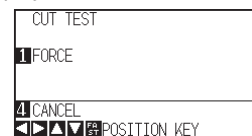**4** Make test cutting for three pieces while Tool conditions are being set.

```
┌─────────────────────────┐      ┌─────────────────────────┐
│              ▲      1/3  │      │ CB09U        ▲     1/5  │
│ 1 Condition No. 1        │      │ 1  For outdoor use      │
│ 2 TOOL  : CB09U+0        │      │ 2 SPEED :      20cm/s   │
│ 3 SPEED : 30 cm/s        │      │ 3 FORCE :    12 + 0     │
│ 4 FORCE : 14             │      │ 4 CANCEL       ▼        │
│              ▼           │      │ ENTER SET               │
│ CUT TEST   ◀ △ ▶ △△△     │      │ CUT TEST   ◀ △ ▶ △△△    │
└─────────────────────────┘      └─────────────────────────┘
     CONDITION screen                  CONDITION screen
      (Normal mode)                     (Simple mode)
```
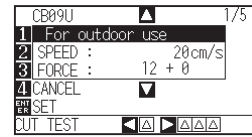
(1) Press the POSITION (▶) key (CUT TEST).

  ▷ CUT TEST screen is displayed.

```
┌─────────────────────────┐      ┌─────────────────────────┐
│ CUT TEST                 │      │ CUT TEST                │
│ 1 FORCE                  │      │ 1 FORCE                 │
│ 2 CUTTER OFFSET          │      │                         │
│ 4 CANCEL                 │      │ 4 CANCEL                │
│ ◀ ▶ ▲ ▼ FAST POSITION KEY│      │ ◀ ▶ ▲ ▼ FAST POSITION KEY│
└─────────────────────────┘      └─────────────────────────┘
      CUT TEST screen                  CUT TEST screen
       (Normal mode)                    (Simple mode)
```
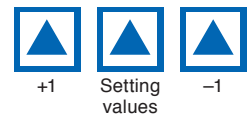
(2) Press the POSITION (▲▼◀▶) key the tool carriage to the location you wish to perform the test cutting.

(3) Press the [1] key (FORCE).

  ▷ 3 cutting test patterns are cut, with current FORCE in the center, and 1 each of FORCE increased and decreased for 1

← Cut Order

+1   Setting values   −1

(4) Press the [ENTER] key after completion.

  ▷ It will return to CUT TEST menu screen.

(5) Press the [2] key (CUTTER OFFSET). (Normal mode only)

  ▷ 3 cutting test patterns are cut, with current CUTTER OFFSET in the center, and 1 each of CUTTER OFFSET increased and decreased for 1.

(6) Press the [ENTER] key after completion.

  ▷ It will return to CUT TEST menu screen.

5 Check if the cut test is appropriate.

Confirm the cutting test results, and adjust to optimal setting. Repeat cutting test and adjustment until optimal cut is achieved.

Adjustment of Offset

Check the corners of the triangles and rectangles. See "Setting the Tool" ⓜ P.2-35 and adjust the offset value if the corner is not cut or if it is cut too much.

Adjust offsets in Normal mode.

Adjustment for Half Cutting

Peel off the triangle area, and adjust so it cuts slightly into the backing sheet.

If the backing sheet has been cut through, either the FORCE setting is too high or the cutter-blade tip is extended too far. If the backing sheet shows only a few traces of the cutter blade, either the FORCE setting is too low or the cutter blade tip is not sufficiently extended.

See "Adjusting the Blade Length" ⓜ P.2-2 and "Setting the Force" ⓜ P.2-44 and adjust the settings.

Adjustment for Cutting Out

Adjust so the media is completely cut out.

If the media is not completely cut, either the FORCE setting is too low or the cutter blade tip is not sufficiently extended. See "Adjusting the Blade Length" ⓜ P.2-1 and "Setting the Force" ⓜ P.2-44 and adjust the settings.

Adjustment When Using Plotting Pen

Adjust the FORCE so there will be no faint lines. To prolong the pen life, set the FORCE to the lowest setting without any faint lines. See "Setting the Force" ⓜ P.2-44 or setting the FORCE.

> **How to check offset**
>
> Check if the offset value is set correctly by following.
>
> Not enough adjustment. Increase the offset value.
>
> Optimal offset value.
>
> Too much adjustment. Decrease the offset value.

Adjust the Blade Length (Automatic Height Adjust)

Test cutting must be performed several times in order to confirm the optimal blade length setting. However, if the blade length adjustment function is used, the optimal length can be easily set.

1 Load the media for test cutting in the plotter.

2 Press the POSITION (▲▼◄►) key the tool carriage to the location you wish to perform the blade length adjustment.

3 Press the [COND/TEST] key in the default screen.

▷ CONDITION setting screen (1/3) is displayed.

```
                    ▲        1/3
1 Condition No. 1
2 TOOL  : CB09U+0
3 SPEED : 30 cm/s
4 FORCE : 14
                    ▼
CUT TEST      ◄△ ►△△△
```

> **Supplement**
>
> Perform the settings in Normal mode.
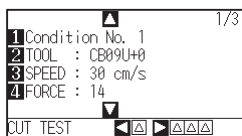
4 Press the POSITION (▼) key.

▷ CONDITION setting screen (3/3) is displayed.

```
                    ▲        3/3
1 DISTANCE ADJUST
2 INITIAL DOWN FORCE
3 BLADE ADJUST
                    ▼
CUT TEST      ◄△ ►△△△
```
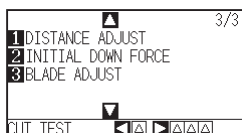
5 Press the [3] key (BLADE ADJUST).

▷ Message prompting to turn the blade-length adjustment knob is displayed.

```
                    ▲        3/3
1 DIS┌─────────────────┐
2 INI│ENT  TURN BLADE KNOB│
3 BLA│ER   CCW TO SHORTEN │
     │    BLADE TIP THEN  │
     │   PRESS ENTER KEY! │
     └─────────────────┘
CUT TEST      ◄△ ►△△△
```
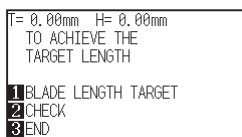
6 As instructed, turn the blade length adjustment knob to the left to fully retract the blade.
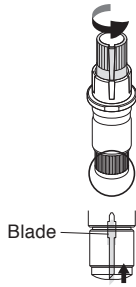
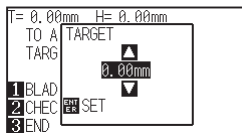Blade

7 Set the cutter Plunger in Tool Holder 1 (Backward).

8 Press the [ENTER] key.
You can calculate the height by moving the tool up and down.
▷ TO ACHIEVE THE TARFET LENGTH screen is displayed.

```
T= 0.00mm  H= 0.00mm
   TO ACHIEVE THE
   TARGET LENGTH

1 BLADE LENGTH TARGET
2 CHECK
3 END
```

9 Press the [1] key (BLADE LENGTH TARGET).
▷ BLADE LENGTH TARGET screen (TARGET) is displayed.

```
T= 0.00mm  H= 0.00mm
  TO A  TARGET
  TARG    ▲
        0.00mm
  1 BLAD  ▼
  2 CHEC ENTER SET
  3 END
```

10 Press the POSITION (▲▼) key and increase or decrease the setting value.

11 Confirm the settings and press the ENTER key (SET).
▷ The Blade Length Target will be selected, and you will return to the TO ACHIEVE THE TARGET LENGTH screen.

12 Press the [2] key (CHECK).
You can calculate the height by moving the tool up and down.
▷ The amount and direction to turn the adjustment knob is displayed.

```
T= 0.00mm  H= 0.25mm
   TURN THE KNOB
   APPROX 0.5 TURNS
   IN CCW DIRECTION
1 BLADE LENGTH TARGET
2 CHECK
3 END
```
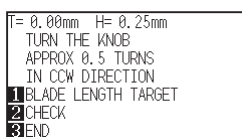
13 Turn the blade-length adjustment knob and adjust the cutter blade length.
▷ [2] Current blade length is displayed by pressing the [2] key (CHECK) , so adjust the blade length until it matches the thickness of the media.

14 Press the [3] key (END).
▷ Adjustment is completed and it will return to CONDITION screen (3/3).

15 Press the [COND/TEST] key.
▷ I will be return to default screen. After completing the settings, press [ENTER] key.

Installing the Software

Install the software housed in the attached DVD-ROM into the PC that is used.
This section explains how to install the software when using a Windows 7 (32 bit) operating environment.

Note

- Upon installation, be sure to log on Windows using an account with administrator privileges on your computer. If you have logged on using a standard user account, an [User Account Control] screen asking you to enter the administrator account password may appear.
- Supported OS
  This software supports the following OS environments:
  Windows 8 (32 bit/64 bit), Windows 7 (32 bit/64 bit), Windows Vista (32 bit/64 bit), Windows XP (32bit/64bit), Mac OS X (10.5.8 or later)*1 [Intel CPU (PPC is not supported)]
- *1: When Using Macintosh
  Macintosh operating environments are supported by the following software.
  Proceed with installation in accordance with your operating environment.
  - Graphtec Studio : Software application that enables cutting data to be created through simple commands.
  - Cutting Master 3 : Plug-in driver that can be directly operated from within Adobe Illustrator.
    Note that Adobe Illustrator must be installed on your computer prior to use.
  When installing the above software to your Macintosh operating environment, refer to the respective manual for each included on the accompanying DVD-ROM.
  - Open the pertinent manual on the accompanying DVD-ROM in the following sequence: [Manuals] > [English (Each Language)] > [Manual According to Software]

1. Launching the Start Menu

After starting up Windows, insert the [USER GUIDE & SOFTWARE DVD] provided with the CE6000 into your computer's DVD drive.
The below screen will appear before the Start Menu launches.
Continue with installation in accordance with the following procedures.

1 The Windows [AutoPlay] screen will appear.
   Select [Run MultiSetup.exe] from the Windows [AutoPlay] screen.
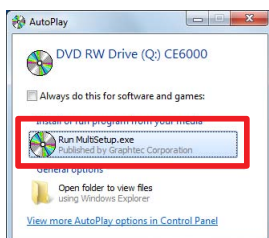
   * If the [AutoPlay] screen does not appear, open [Explorer] and select the DVD drive containing the software to be installed.
     Open the DVD and double-click on [MultiSetup.exe].

2 Click [Yes] if you have logged on using an administrator account.
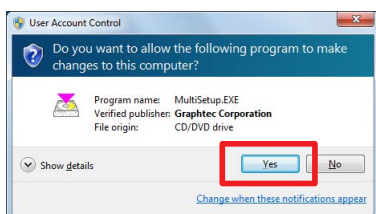
Supplement

If you have logged on using a standard user account, an [User Account Control] screen asking you to enter the administrator account password may appear. Enter the password, and then click [Yes].
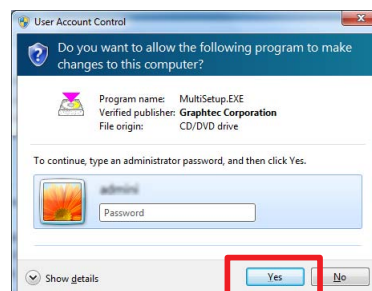
3 The [Start] will appear.
"Use this menu to install the software you require to use the CE6000.
First-time users should proceed with installation by clicking on [Install CE6000 Software]."
Proceed with installation according to your operating environment.
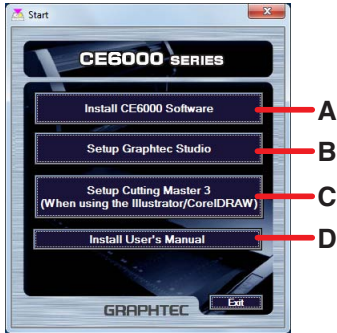
A. Install CE6000 Software:
   Install the [Cutting Plotter Controller] and [Plotter Driver].
   The [Cutting Plotter Controller] enables various cutting conditions, plotter settings, etc. to be controlled directly from your computer.

B. Setup Graphtec Studio:
   "Software enabling cutting data to be created through simple commands.
   Create designs and edit characters/shapes using this software."

C. Setup Cutting Master 3:
   Plug-in driver that enables simple cutting through direct operation from within Adobe Illustrator and CorelDRAW.
   Adobe Illustrator or CorelDRAW must be installed on your computer prior to use.

D. Install User's Manual:
   Installs the CE6000 User's Manual.

A. Install CE6000 Software

If you are using the CE6000 for the first time, click on [Install CE6000 Software] to install the device.
This operation will install the [Cutting Plotter Controller] and [Plotter Driver].
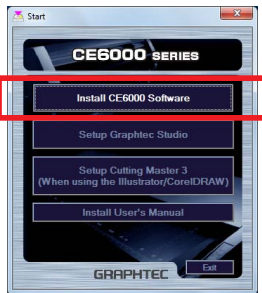
Note Do not connect the accompanying USB cable yet.
Doing so may prevent the [Plotter Driver] from being installed properly.
Refer to the procedures in this User's Manual when connecting the USB cable.

Installing the [Cutting Plotter Controller]

1 Click on [Install CE6000 Software].
The [Setup] screen to setup Cutting Plotter Controller for CE6000 will appear momentarily.
Click on [Next].
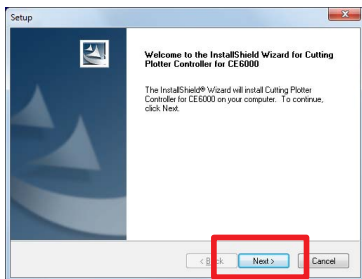
2 The [Chose Destination Location] screen will appear.
Check the installation destination folder displayed. If there is no need to change it, click on [Next].
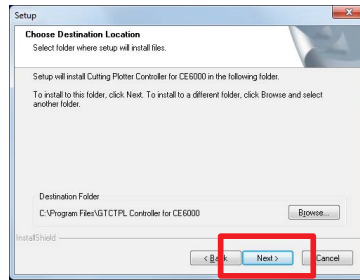
3 The [Select Program Folder] window will appear.
Simply click on [Next].
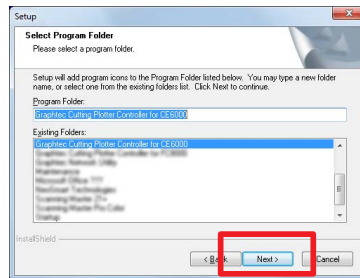
**4** When the next screen appears, click on [Finish].
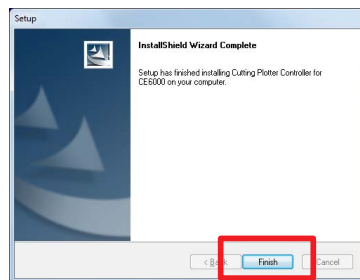
This concludes the installation of the [Cutting Plotter Controller].
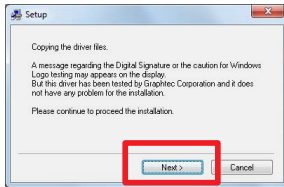Next, install the [Plotter Driver].

Installing the [Plotter Driver]

5 After installation of the [Cutting Plotter Controller] is complete, the [Setup] screen for the [Graphtec CE6000 Driver] will appear momentarily.
When it does, click on [OK].
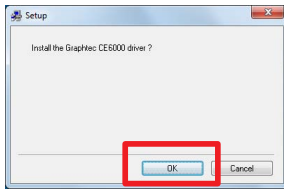
**6** Next, check to make sure the [CE6000] is not connected to your computer, then click on [Next].
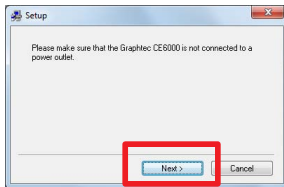
7 Click on [Next] again.

8 A window for selecting the [Port Name] to be used appears.
Select [USB].
Clicking on [Next] will begin the driver installation process.

Available Port Names

USB : Selected when a USB cable is used for connection.

COM1 : Selected when an RS-232C (serial) cable is used for connection.

FILE : Selected to save outputted data (plot data) to a file.

Select "USB"
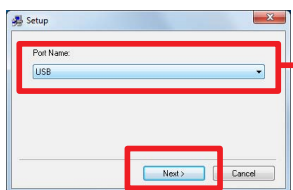
Supplement (When selecting the COM1)

To select "COM1" in "Selecting Port Name", do the installation according to the message.
After the installation is completed, connect the RS-232C cable. (📖P.1-16 For more information about connecting the RS-232C cable, see "1.4: Connecting the computer" on page 1-6 in CE6000 User's Manual.)
To connect the COM1 for RS-232C, the Cutting Plotter must be set to "Normal mode". For more information about setting the COM1, see 📖P.2-1 "Chapter 2: Preparing to Cut" on page 2-1 in CE6000 User's Manual.
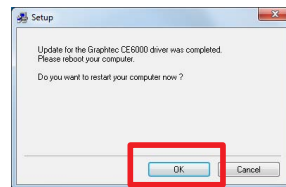
---

9 Continue with the installation process while following the on-screen instructions.
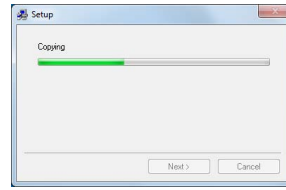
10 The [Windows Security] screen will appear momentarily.
Click on [Install] to install the [Plotter Driver].
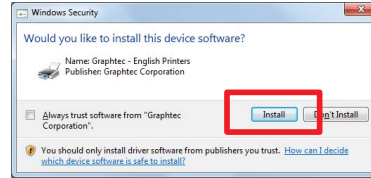
11 Next, the [Update for the Graphtec CE6000 driver was completed] screen will appear.
Click on [OK] to reboot your computer.

This concludes the installation of the [Plotter Driver].
After rebooting your computer, follow the below procedures to connect the USB cable.
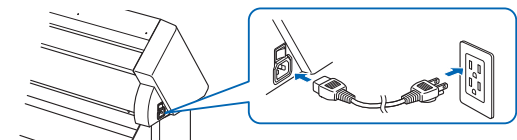
Connecting the USB Cable

12 First, make sure that Windows 7 has been launched successfully.
Next, connect the USB cable accompanying the CE6000 to your computer. Ensure that the CE6000 is turned off when you do.

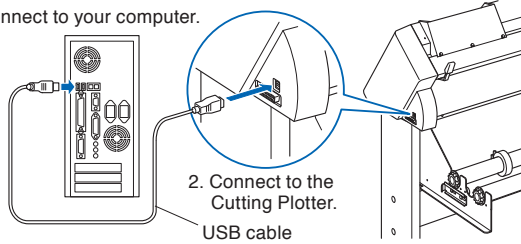(1) Ensure that the Plotter's power is turned off ("○" position).
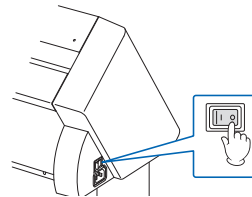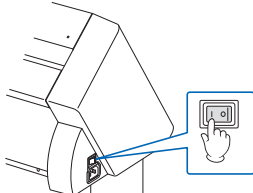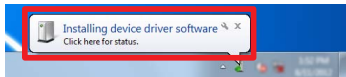

(2) Connect the power cable.

(3) Connect the USB cable.

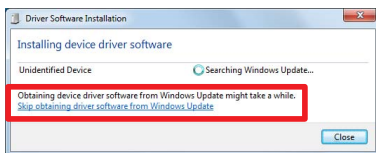1. Connect to your computer.

2. Connect to the Cutting Plotter.
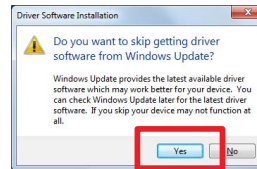
USB cable

13 Turn on the CE6000 unit.

14 A message will appear momentarily on the bottom-right of your Windows screen.
Click on this message.

Installing device driver software
Click here for status.

15 The [Driver Software Installation] screen will appear.
Click on [Skip obtaining driver software from Windows Update].

Driver Software Installation

Installing device driver software

Unidentified Device   Searching Windows Update...

Obtaining device driver software from Windows Update might take a while.
Skip obtaining driver software from Windows Update

Close

16 Click on [Yes] on the next screen.

Driver Software Installation

Do you want to skip getting driver software from Windows Update?

Windows Update provides the latest available driver software which may work better for your device. You can check Windows Update later for the latest driver software. If you skip your device may not function at all.

Yes   No

17 The [Your Device is ready to use] screen will appear momentarily.
Click on [Close].

Driver Software Installation

Your device is ready to use

USB Printing Support   ✓ Ready to use
Graphtec CE6000   ✓ Ready to use

Close
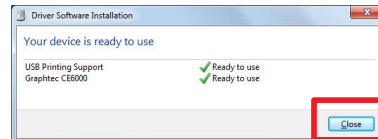
This concludes the installation of the driver software.
Next, please install the software applications.
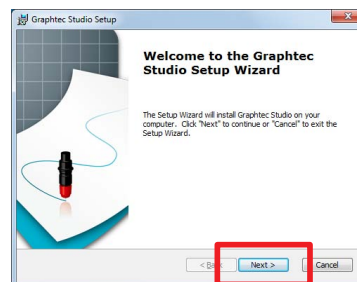Install the software in accordance with your operating environment.

B. Setup Graphtec Studio

Graphtec Studio is a software application that enables cutting data to be created through simple commands. Create designs and edit characters/shapes using this software.

Start

CE6000 SERIES

Install CE6000 Software

Setup Graphtec Studio

Setup Cutting Master 3
(When using the Illustrator/CorelDRAW)

Install User's Manual

GRAPHTEC   Exit

Installing "Graphtec Studio"

1 Click on [Setup Graphtec Studio].
The [Graphtec Studio Setup] screen will appear momentarily.
Click on [Next].

Graphtec Studio Setup

Welcome to the Graphtec Studio Setup Wizard

The Setup Wizard will install Graphtec Studio on your computer. Click "Next" to continue or "Cancel" to exit the Setup Wizard.
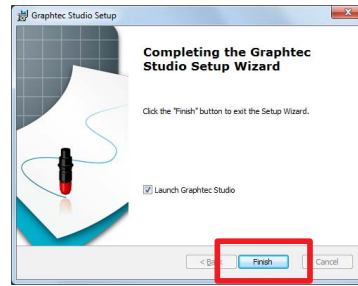
< Back   Next >   Cancel

2 The [Select Installation Folder] screen will appear. Check the installation destination folder displayed. If there is no need to change it, click on [Next].
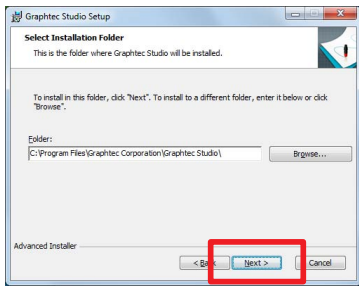
3 The [Ready to Install] screen will appear. Click on [Install] to begin installation.
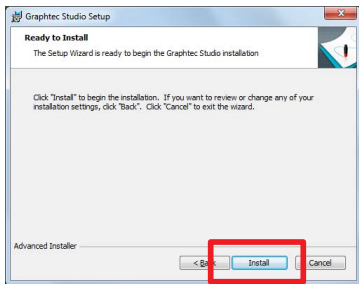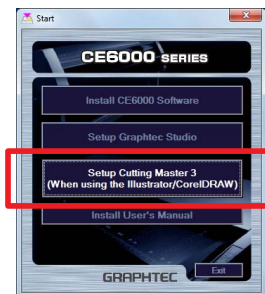

4 When this screen appears, click on [Finish].

This concludes the installation of [Graphtec Studio].

C. Set Up Cutting Master 3

This plug-in driver enables simple cutting through direct operation from within Adobe Illustrator and CorelDRAW. Note that Adobe Illustrator or CorelDRAW must be installed on your computer prior to use.
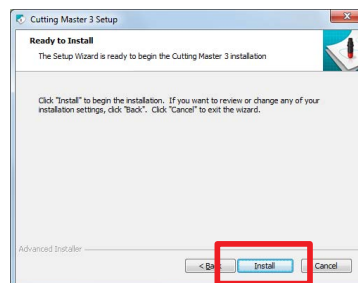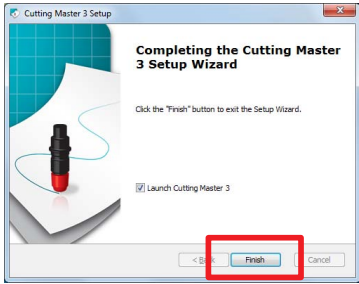

Installing "Cutting Master 3"

1 Click on [Setup Cutting Master 3].
The [Cutting Master 3 Setup] screen will appear momentarily.
Click on [Next].

* On-screen prompts will be displayed in English while installing [Cutting Master 3 Setup].

* Note that on-screen prompts will be displayed in English during standard usage following installation.
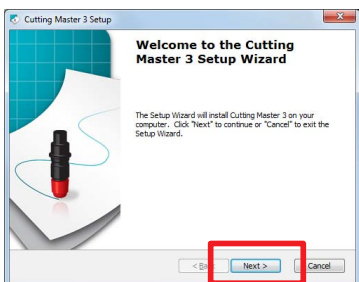
2 The [Select Installation Folder] screen will appear. Check the installation destination folder displayed. If there is no need to change it, click on [Next].
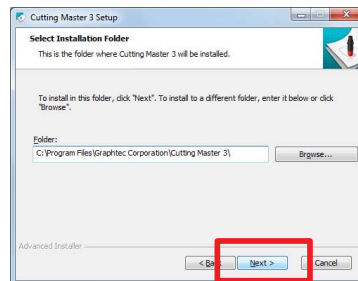
3 The [Ready to Install] screen will appear. Click on [Install] to begin installation.
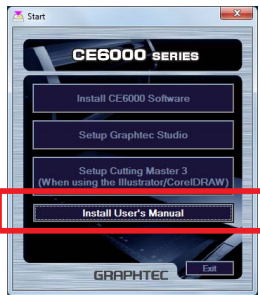
4 When this screen appears, click on [Finish].

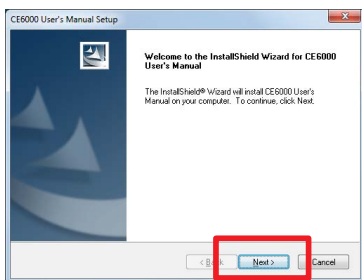This concludes the installation of [Cutting Master 3].

D. Install User's Manual

Follow the below procedures to install the CE6000 User's Manual (pdf format).
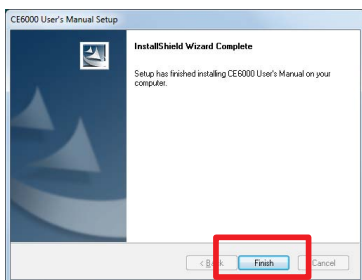Adobe Reader must be installed on your computer in order to read the manual.

Installing "User's Manual"

1 Click on [Install User's Manual].
The [CE6000 User's Manual Setup] screen will appear momentarily.
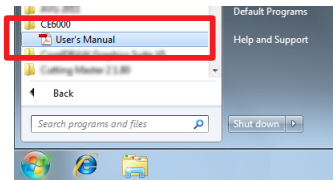Click on [Next].

2 When this screen appears, click on [Finish].

This concludes the installation of the [User's Manual].

The newly-installed [User's Manual] will be registered under your Windows Start Menu.

GRAPHTEC