

Graphic Products, Inc.
Label/Sign Printer MODEL DLBRONCO

Introduction

Congratulations! Now that you have your DuraLabel Bronco sign and label printer, you'll be creating custom labels in no time.

In addition to helping you set up and use Bronco, this User Guide will serve as a reference document for maintaining the system, and for using its more advanced features.

The included DuraSuite software helps you create labels in a variety of standardized formats, such as GHS and HazCom 2012 labels, NFPA 704 (NFPA Diamond) chemical labels, NFPA 70E arc flash labels, and ANSI/ASME A13.1 pipe markers and IIAR ammonia pipe markers. For information on that software, see the DuraSuite User Guide.

Bronco also comes with LabelForge for creating completely customized label designs from scratch, using a simple interface. LabelForge gives you the power to instantly create linear and 2D barcodes, add standardized symbols or custom images, and even import data from a spreadsheet. For information on that software, see the LabelForge User Guide.

If you need supplies, or have questions about Bronco or the DuraSuite or LabelForge software, give us a call at 800.788.5572 (or, internationally, at 503.644.5572) and we'll be happy to help.

REMINDER: Periodic cleaning is required for your printer's operation, as adhesive and dust will build up during use. Clean the print head, platen roller, and cutter blades with a provided cleaning swab, or with isopropyl alcohol and a soft cloth, after every 2-3 rolls of supply. See section **4.1, *Cleaning your Bronco***, for details, or watch instructional videos at **GraphicProducts.com/support**.

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Before You Begin

Safety Warnings

Before connecting Bronco to a power outlet, check the voltage of the power source. Bronco needs a power supply between 100 and 240 volts. Ensure that the power switch on the printer is in the OFF position.

Only use the included power supply with the Bronco (rated for 24V/2.5A output, model WDS060240). If a replacement is needed, please contact your DuraLabel representative.

To avoid electrical shock, DO NOT pour any liquid onto the printer or printer parts.

Only qualified service personnel should attempt to repair the printer.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Avant de brancher Bronco à une prise de courant, vérifier la tension de la source d'alimentation, et faire en sorte que le commutateur d'alimentation de l'imprimante est en position OFF.

Utilisez uniquement le bloc d'alimentation fourni avec le Bronco (classé pour la sortie 24V / 2.5A, modèle WDS060240). Si un remplacement est nécessaire, s'il vous plaît contactez votre Duralabel représentant.

Pour éviter un choc électrique, NE PAS verser de liquide sur les parties de l'imprimante ou l'imprimante.

Seul le personnel d'entretien qualifié doit tenter de réparer l'imprimante.

System Requirements

Operating System: Windows XP Service Pack 2 (or later), Windows Vista, Windows 7, or Windows 8 or 8.1. Both 32-bit (x86) and 64-bit (x64) systems are supported.

Memory: 128MB RAM

Hard Drive Space: 100MB

IT / Administrator Privileges for installation

Your label design software may have other requirements.

What's in the Box

Bronco Printer

User Documentation

Bronco Software CD

AC Power Adapter

USB Cord

Supply Spindle

Ribbon Take-Up Core

If any of these items are missing, please contact your DuraLabel representative

Mailing

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1. Getting Started

1.1 Know Your Bronco

1.1.1 Exterior

Feed/Cancel Button and Indicator Light

Lid Release Tabs

Cutter Module

1.1.2 Connection Panel

Power Switch

Power Supply Connection

USB Connection

1.1.3 Interior – Print Head Carriage Locked

Ribbon Take-Up Holders

Carriage Release Tabs

Print Head Carriage

1.1.4 Interior – Print Head Carriage Released

Print Head

Ribbon Supply Holders

Adjustable Supply Guides

2. Setup Instructions

2.1 Loading Supplies

To open your Bronco to load supplies, press inward at the textured areas on both sides of the system, and raise the hinged cover. The cover will rest at the fully-opened position, requiring about 12 inches of vertical clearance. Supplies may be loaded or removed while Bronco is still powered on.

You need two supplies to print: the printing ribbon, or “ink,” and the label stock, or “vinyl.”

2.1.1 Loading Ribbon

Ribbon comes in a roll, which fits underneath the print carriage. When printing, Bronco will transfer colored resin from the ribbon onto your label stock, with the used ribbon collecting on a take-up core above the print carriage for later disposal.

1. Start with a new ribbon take-up core. Fit one end of the core onto the green spring-loaded holder on the top of the print head carriage. Then, fit the other end of the ribbon core onto the wheeled holder. Turn the take-up core or holder by hand, until the tab on the holder locks into the notch in the core.
2. Then, press the two green carriage release tabs. The print head carriage will spring upward.
3. Hold the new roll of ribbon so the loose end falls to the rear of the printer. Fit one end of the ribbon core onto the green spring-loaded holder on the underside of the print head carriage. Then, fit the other end of the ribbon core onto the geared holder. Turn the ribbon core by hand until the tab on the holder locks into the notch in the core.
4. Pull the loose end of the ribbon up and around the print head carriage and use a small piece of label stock or tape to secure the end of the ribbon to the top of the empty rewind core.
5. Pull the ribbon snug by turning the green take-up wheel.

2.1.2 Loading Label Stock

Fresh label stock comes in a roll with plastic end caps on each side. The material typically has a glossy print surface on one side, and a disposable paper backing on the other side. When printing, Bronco will feed some of the label stock from its roll and cut off the printed label.

1. If you haven't already done so, raise the print head carriage by pressing the two green carriage release tabs.
2. Place the roll of label supply onto the supply spindle. With the label supply unrolling from the top of the roll and feeding toward the print head carriage, rest the supply spindle into its slots in your Bronco.
3. Feed the end of the label supply under the print carriage, threading it between and beneath the green adjustable label guides, and over the top of the rubber roller near the cutter module.
4. Slide the green adjustable label guides together to keep the label stock centered, but not so tight as to bend or wrinkle the label stock.
5. Close the print head carriage by pressing it down into place, and then close the hinged cover.

2.2 Initial Setup

When setting up your Bronco for the first time, you'll need to connect the printer to your computer and a power supply. You'll also need to install the printer driver on your computer, which will require Administrator Privileges on that computer. (You may need help from your IT team.)

2.2.1 Physical Connections

Make sure the power switch at the back of the printer is set to the OFF position. Connect Bronco to your computer with the included USB cord. Then, plug the Bronco AC Power Adapter into an ordinary 120V wall outlet, and connect its other end to your Bronco. Once these connections have been made, turn Bronco on, using the switch in the back.

2.2.2 Installing Driver Software

Depending on your computer's settings, you may see a notification from Windows about new hardware. If so, you can close that message. Instead, insert the Bronco Software CD into your computer, and follow the prompts that appear to install the printer driver.

If no prompts appear when you insert the CD, you can use the "My Computer" or "Computer" browsing system to view the files on the CD. Run the program called "DuraLabel Bronco..." and follow the prompts to install the Bronco driver on your computer.

Once the printer driver has been installed, you will be able to send print jobs to Bronco.

3. Operating Instructions

3.1 Printing and Canceling Prints

To print a label, open or create a label design in your preferred label design program. (For help with the DuraSuite or LabelForge design software, see the documentation for that program.) Use the program's File menu to select Print. In the Print window, select the DuraLabel Bronco as the printer, choose appropriate settings with the Properties or Preferences button, and click Print.

While Bronco is printing, you can stop it and cancel the current job by pressing the Feed/Cancel button at the top of the printer.

3.2 Driver Settings

Some of Bronco's controls will need to be adjusted for different types of labels. The driver software uses a standardized format, so it is quick and easy to make these adjustments. You can check the driver settings for a given print job with the Properties or Preferences button in the Print window.

3.2.1 Orientation

The option you will probably change the most frequently is the printing orientation of your label. Landscape orientation prints your design from left to right, so that the width of your roll of label stock is equal to the height of the finished label, and the label can be as wide as you like. Portrait orientation prints your label from bottom to top, so that the width of your roll of label stock is equal to the width of the finished label, and the label can be as tall as you like.

The more advanced controls for Bronco's driver are available when you click the Advanced button at the bottom of the Printing Preferences window.

3.2.2 Advanced Options

Many of these additional controls can be left alone for most print jobs. The four most commonly-needed options are Color Printing Mode, Cutter, Label Stock Format, and Darkness.

Color Printing Mode

This option allows you to adjust the way that Bronco handles colors and shades of gray in your label design. Ordinarily, Bronco is set to "Monochrome no dithering," which fills in all the dark-colored areas of your label design, and leaves all the light-colored areas blank. This is effective for most labels, where strong contrast is best. The other dithering options use different patterns of dots to approximate different shades of light and dark.

Cutter

This option controls when Bronco's automatic cutter cuts off a finished label.

- Do not cut: finished labels remain connected to the roll of label stock as they print
- Cut after page: each label (or each page of a multi-page document) will be cut from the roll as it is printed
- Cut after job: all the labels in a print job will be left connected to each other, but cut from the roll of label stock

Label Stock Format

Select the type of label stock you are using to ensure that Bronco keeps the labels properly aligned.

- Continuous stock: an uninterrupted, continuous roll of label stock (the most common supply type)
- Stock with gaps: a roll of pre-cut labels, usually pre-printed with some elements, with small gaps between labels
- Stock with marks: a roll of partially pre-printed labels, with black marks on the backing to distinguish one label from the next

Darkness

Depending on the supplies that you are using, you may need to adjust the Darkness setting to maintain print quality. Most frequently, this comes up when changing from a Premium printing ribbon to a Chemical-Resistant ribbon, or vice-versa. Specialty ribbons typically require a higher Darkness setting. The default setting is 6; higher numbers indicate more heat being used in the printing process.

3.2.3 Adjusting Default Settings

If you access the Printing Preferences through a program's Print window, you will only change the settings for that session of printing. If you want to change the default settings for the printer, affecting every job, close your label design program and follow these steps.

- If you use Windows XP, go through your computer's Start Menu to the Control Panel, and open the "Printers and Faxes" window.
- If you use Windows Vista or Windows 7, go through your computer's Start Menu to the Control Panel, and open the "Devices and Printers" window.
- If you use Windows 8 or Windows 8.1, go through your computer's Charms Bar to the Control Panel, and open the "Devices and Printers" window.

Find the entry in this window for your DuraLabel Bronco, right-click on it, and choose Printing Preferences. The settings you choose here will be saved for future use.

3.3 Printing with Other Software

Bronco comes with DuraSuite and LabelForge label design software, but can also be used with other programs, such as Microsoft Word or Adobe Acrobat. However, this requires an additional step; you must select the label's Paper Size in the Advanced Options. A limited number of label sizes are already included, such as 2x4, 4x4, and 4x6. To add custom sizes to the selection list, follow these steps.

1. Open the "Devices and Printers" or "Printers and Faxes" window, as if you were going to adjust Bronco's default settings (described above).
2. Select the entry for your DuraLabel Bronco, and click the button for Print Server Properties at the top of the window. (If you use Windows XP, select the Bronco and go through the File menu at the top of the window to choose Printer Server Properties.)
3. Check the box marked "Create a new form."
4. Enter a form name to refer to this label size in the appropriate text field.
5. Enter the desired dimensions at the bottom of this window. The Width should equal the width of the label stock you will use to print the label, and the Height should equal be your intended label's other dimension. The margins may be left at zero.
6. Click OK to save changes and close the window.

The new label size will now appear as an option in the Paper Size drop-down menu in the Bronco's Advanced Options.

4. Maintenance and Troubleshooting

4.1 Cleaning your Bronco

Periodic cleaning of the print head, cutter blade, and platen roller will prolong your Bronco's life, and allow clear print quality on every label. This cleaning process is simple and can be performed by any user. You will need cleaning swabs provided by Graphic Products, or a soft cloth and isopropyl alcohol, to clean the system properly.

We recommend that you clean the Bronco when you change supplies, as this may be the most convenient time. Cleaning will take less than five minutes.

1. Before cleaning your Bronco, turn it off using the power switch in the back of the printer, near the black power cord.
2. Open Bronco's lid and raise the print head carriage, as you would if you were loading supplies.
3. Temporarily remove the ribbon take-up core and any loose ribbon from the print head carriage, so that the metal print head on the underside of the carriage is exposed.
4. Using the cleaning swab or soft cloth and isopropyl alcohol, gently wipe the entire print head clean.
5. Temporarily roll back any label stock so that the rubber roller is exposed. Wipe the exposed part of the roller.
6. Wipe the cutter blades by carefully inserting the cleaning swab from the front of the cutter module and wiping from side to side.
7. Allow all parts to dry for a minute or so. Then, reload your supplies, close your Bronco again, and return to printing.

4.2 Troubleshooting

4.2.1 Sensor Calibration

In many cases, Bronco's default sensor calibration will be effective. However, when you change from one type of label stock to another, such as moving from continuous stock for die-cut stock with gaps, a recalibration may be needed. If you have recently changed materials, and the print is not properly aligned, try recalibrating the sensors.

Turn off the printer using the switch in the back, near the black power cord. Press and hold the Feed/Cancel button on top of the printer, and (while still holding the button) turn the printer back on. The indicator light will blink green, change to solid red, and then blink red. Once the light is blinking red, release the Feed/Cancel button. Bronco will feed out some supply and recalibrate its internal sensors; once the printer stops, and the light returns to solid green, you can open the printer and roll the supply back in. The beginning of your next label should be aligned with the top of the gray rubber roller near the front of the printer.

4.2.2 Supply Loading

Most of the errors that stop Bronco from printing entirely are simply the result of a mis-feed of the supplies in the system. If a problem occurs and the light on the printer blinks red or yellow, turn off the printer using the switch in the back, near the black power cord. Then, open the system and check the supplies.

Make sure that the ribbon unrolls from the back of the source roller on the underside of the print carriage. Then, it should run forward underneath the metal print head, up around the front of the carriage, and finally up the front of the front roller. Make sure that each ribbon spool is seated correctly; each spool has a notch on the end that will engage with a tab on the wheel that holds it.

Look at the label stock that is loaded in the back of the printer. The roll of label stock should be centered on its spindle, and the material should unroll from the top of the roll. It should then feed forward, underneath the print head mechanism and between the two moveable gray guides. Finally, it should reach over the dark gray rubber roller.

After checking the supplies, lower the print carriage until it latches securely into place. Close the printer, and turn it on again. Your label may print out correctly as the printer restarts.

If you have any further questions, please contact us for help at 1.800.788.5572. Graphic Products is proud to offer free technical support for the lifetime of our printers.

5. Glossary

Driver: the software that allows a computer to interact with a device such as a printer. Bronco's driver includes all of its print settings. This software is compatible with Windows XP Service Pack 2 (or later), Windows Vista, Windows 7, and Windows 8 or 8.1. Both 32-bit (x86) and 64-bit (x64) systems are supported.

Feed/Cancel Button: the only button on the top part of Bronco. When Bronco is printing, this button cancels the current job; when Bronco is powered on, but not printing, the button feeds supply through the system.

Label Stock: often made of vinyl with an adhesive backing, this is the material your label will be printed on, or the "paper" in the printing process. Most label stocks are provided in a long roll.

Print Head: the part of the printer that uses heat and pressure to transfer resin from the printing ribbon onto the label stock, creating a printed design. Bronco's print head is mounted in a hinged mechanism, so it can be raised out of the way for supply loading.

Printing Ribbon: this material is the "ink" in the printing process. It consists of a pigmented resin on a thin plastic film. When the resin has been transferred, the plastic film can be discarded.

6. Warranty and Certifications

6.1 5-Year DuraLabel Printer Warranty

Graphic Products' DuraLabel printers are warrantied to be free from defects in materials and workmanship for a period of five (5) years from the date of purchase. Within this period, Graphic Products, Inc. will, at its sole option, repair or replace any components which fail in normal use. Such repairs or replacement will be made at no charge to the purchaser for parts or labor, provided that the purchaser shall be responsible for any transportation cost. This warranty does not cover loss, damages from accident, or equipment or parts which have been misused, altered, neglected, carelessly handled, used for purpose other than those for which the printer was manufactured, or damages resulting from unauthorized service.

6.1.1 Repairs

Repairs are warrantied for 90 days. If the original warranty is still in effect, repaired units will remain under their original warranty or for 90 days from the date of service, whichever is longer.

6.1.2 Warranty Details

The warranties and remedies contained herein are exclusive and in lieu of all other warranties whether express, implied, or statutory, including any liability arising under any warranty of merchantability or fitness for a particular purpose, statutory or otherwise. This warranty gives the purchaser specific legal rights, which may vary from state to state.

In no event shall Graphic Products be liable for any incidental, special, indirect, or consequential damages, whether resulting from the use, misuse, or inability to use the product for any reason including defect. Some states do not allow the exclusion of incidental or consequential damages, so the above limitation may not apply in all areas.

Graphic Products retains the exclusive right within all warranty periods to repair, replace, or offer a full refund of the purchase price at its sole discretion. Such remedy shall be the purchaser's sole and exclusive remedy for any breach of warranty.

General maintenance and cleaning of the DuraLabel printer is the purchaser's responsibility and is not covered by the warranty. Expendable items or parts such as label supply and ribbon are not covered by this warranty.

NOTE: Specific preparation may be required before shipping. Please contact your Graphic Products representative to ensure correct return procedure: please call 800.788.5572 for details. Graphic Products, Inc. shall not be responsible for any loss or damages incurred during shipping.

6.2 5-Year DuraLabel Premium Vinyl Warranty

DuraLabel supplies are tested for durability under various conditions, including UV exposure, moisture, heating and cooling cycles, abrasion, and chemical exposures. Graphic Products warranties labels made from its Premium vinyl supplies for a period of five (5) years.

Within five years of purchase and after proper application, Graphic Products will replace labels made with DuraLabel Premium Vinyl which become unreadable or fail to maintain adhesion with the labeled surface. In such instance, Graphic Products, Inc. will provide a one-time replacement roll of the same supply.

6.3 FCC Compliance

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Class A statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

To comply with the FCC RF exposure requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void the user's authority to operate the device.

6.4 US, Canadian and European EMC and EMI standards

This equipment has been tested and passed with the requirements relating to electromagnetic compliance based on the standard EN 300 330-2 V1.5.1 (2010-02). Per RSS-Gen, Section 8.4 this device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. This includes Industry Canada (IC) certification number 9684A-DLB01, FCC ID:ZKKDLB01

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- 1) l'appareil ne doit pas produire de brouillage;
- 2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IMPORTANT NOTE:

IC Radiation Exposure Statement:

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20cm de distance entre la source de rayonnement et votre corps

CAN ICES-3 (B)/NMB-3(B)

7. Contact Us

Graphic Products, Inc. has been a leader in custom labeling, signage, and visual communication solutions for over 40 years. Our commitment to providing world-class service is at the heart of everything we do.

If you have any further questions, or if any problems arise that are not addressed in this User Guide, please let us know. Graphic Products proudly offers free support to all of our customers.

Call us at:

800.788.5572 (U.S.A. and Canada only)

1.503.644.5572 (International)

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