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

DOC Notice Canada

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This digital apparatus does not exceed the class A limits for radio noise emissions from a digital apparatus as set out in the radio interference regulations of the Canadian Department of Communication.

* * *

Ministère des Communications du Canada CONFORMITE DE REGLEMENTS (DOC-A)

Le présent appareil numérique n'émet pas de bruits radio-électriques dépassant les limites applicables aux appareils numériques de classe A prescrites dans le règlement sur brouillage radioélectrique édicté par le Ministère des Communications du Canada.

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INTRODUCTION



The *UBI EasyCoder 101* is a series of medium duty direct thermal printers. They come in three main models intended for different types of applications:

- *EasyCoder 101* is mainly intended to be controlled by a host computer using standard or custommade application software, e.g. the *UBILabelShop* label-design program for *Microsoft Windows*. Being a low-cost alternative, it has fewer options than the other members of the *EasyCoder 101* printer family. Externally, the *EasyCoder 101* is distinguished by the absence of any built-in keyboard.
- *EasyCoder 101 E* (*Enhanced*) offers a built-in keyboard and a larger number options in regard of computer connection. It is recommended for installations, where you want to switch between different application programs, or create your own programs in the built-in *UBI Fingerprint* programming language. This printer model is easily recognized by its 21-key membrane setup keyboard (F1–F5).
- *EasyCoder 101 SA* is very similar to the *EasyCoder 101 E* model, but is fitted with a

special "Stand-Alone" software and a special keyboard, which allows the printer to be operated independently, without any computer connection.

The *EasyCoder 101 SA* can easily be "docked" to a personal computer and loaded with label texts and formats created in the *UBI LabelShop* labelediting program running under *Microsoft Windows*.

Information on the different models and options can be found in the *Technical Manual*, which also describes installation and computer connection.

The following manuals may be of interest to the operator or programmer:

- UBI Shell 3.1 Standard, Startup Manual
- UBI Shell 3.1 Enhanced, Startup Manual
- UBI EasyCoder 101, Technical Manual
- UBI Stand-Alone Concept, Operating Instructions
- UBI Fingerprint 5.0, Programmer's Manual
- UBI Fingerprint 5.1, Update Information
- UBI LabelShop, Operator's Manual
- UBI Windows Driver, Installation Instructions
- UBI Macintosh Driver, Installation Instructions



GET TO KNOW YOUR PRINTER





GET TO KNOW YOUR PRINTER, cont'd.

The paper stock compartment becomes accessible when the righthand door is swung open. Although the printer is operable when this door is left opened, you are strongly recommended to keep it closed during normal operation, so as to prevent the printer mechanism from being exposed to dust.





External Paper Roll Holder (optional)



PAPER LOAD



Remove the dispenser shaft before permanently switching to Tear-Off operation

- 1 Turn the printhead lift lever clockwise to vertical position.
- 2 Fit a new paper roll on the paper supply spool and push the roll inwards as far as it will go.
- **3** Thread the paper above the take-up spool and underneath the three guide shafts.
- 4 Thread the paper past the print roller.
- 5 Adjust the green paper guide so that the paper is guided with a minimum of play.
- **6** Turn the printhead lift lever counter-clockwise to horizontal position.
- 7 Feed out at least one label.

To tear off the paper, pull it upwards.



PAPER LOAD, cont'd.



Note The backing paper take-up can accommodate the backing paper from a full roll of labels.



Affix the backing paper to the take-up spool by means of the plug.

- 1 Turn the printhead lift lever clockwise to vertical position.
- 2 Pull out the green plug on the backing paper take-up and dispose of all wound-up backing paper.
- **3** Fit a new paper roll on the paper supply spool and push the roll inwards as far as it will go.
- **4** Thread the paper above the take-up spool and underneath the three guide shafts.
- **5** Thread the paper past the print roller.
- 6 Remove the labels from the first 25 cm (10") of the paper web. Wrap the backing paper around the print roller and dispenser edge. Then thread it back under the print mechanism and around the idler shaft.
- 7 Affix the backing paper on the take-up spool by means of the plug (see illustration).
- 8 Manually rotate the backing paper take-up and the paper roll so the paper web becomes tight.
- **9** Turn the printhead lift lever counter-clockwise to horizontal position.
- **10** Feed out at least one label.



PAPER LOAD, cont'd.

External Supply

The *EasyCoder 101* printers can use various types of external supplies, e.g. boxes of fan-folded tickets or an external paper roll.

The optional External Paper Roll Holder can accommodate a paper roll with a diameter of 180 mm (\approx 7"). It can be fitted either on top on the printer or behind it, by means of the attachment rails.





MAINTENANCE

Cleaning the Printhead and Print Roller

WARNING! The printhead and print roller are very delicate. Never use any tools to remove stuck labels or to clean the printhead. *Cleaning on a regular basis is important for life of the printer and for the printout quality.*

- 1 Lift the printhead and remove the paper web.
- 2 Insert a Printhead Cleaning Card into the print mechanism, allowing 2–3 cm (1") to extend in front of the printhead.
- **3** Lock the printhead in lowered position and slowly pull out the cleaning card. Repeat if necessary.
- 4 Using a piece of cloth or blotting paper slightly moistened with isopropanol, clean the print roller and the dispenser edge.

5 Important!

Allow a couple of minutes for the cleaned parts to get dry before loading the paper.



External Cleaning

Wipe the outside surfaces using a damp piece of cloth. If necessary, add a mild detergent. Be careful not to allow any water to penetrate into the interior of the printer.



Protection Against DustProtect paper from dust by always keeping the stock compartment
door closed. In case of an external paper supply, it is strongly
recommended that both the actual supply and the web path be
protected by some kind of dust cover. Dirt, sand, grit etc. may
rapidly cause irreparable damage to the printhead.



TROUBLE SHOOTING

Printout Troubles

The list below is intended to help the operator to correct possible printout troubles or flaws in printout quality, and to decide when assistance from the Service dept. of the nearest *UBI* distributor is required. Note that most problems are due to operating errors or normal wear of the printhead.

Symptom	Possible Cause	Remedy	Refer to
Overall weak printout	Wrong Paper type setup	Change	Technical Manual
	Low Contrast setup	Increase value	Technical Manual
	Worn printhead	Replace	TPH Install Instructions
	Wrong printhead voltage	Repair CPU	Call Service
Printout weaker on one side	Uneven printhead pressure	Adjust	Call Service
Weak spots	Foreign particles on paper	Remove	n.a.
	Poor paper quality	Use other media	Technical Manual
	Worn printhead	Replace	TPH Install Instructions
	Worn pressing roller	Replace	& Call Service
Overall dark printout	Wrong Paper Type setup	Change	Technical Manual
	Contrast setup too high	Decrease	Technical Manual
	Wrong printhead voltage	Repair CPU	Call Service
Excessive bleeding	Wrong Paper Type setup	Change	Technical Manual
	Contrast setup too high	Decrease	Technical Manual
	Faulty energy control	Check CPU board	< Call Service
Dark lines along paper web	Foreign objects on printhead	Clean	User's Manual p. 9
White lines along paper web	Printhead dirty	Clean	User's Manual p. 9
	Missing dots on printhead	Replace	TPH Install Instructions
Large part of dot line missing	Wrong X-start or Width setup	Change	Technical Manual
	Failing printhead	Replace	TPH Install Instructions
	Failing strobe signal	Check CPU-board	
Last part of label missing	Too small image buffer	Increase size	Technical Manual
Printout missing along inner edge	Bad paper alignment	Adjust	User's Manual p. 6-8
	X-start setup too low	Increase value	Technical Manual

