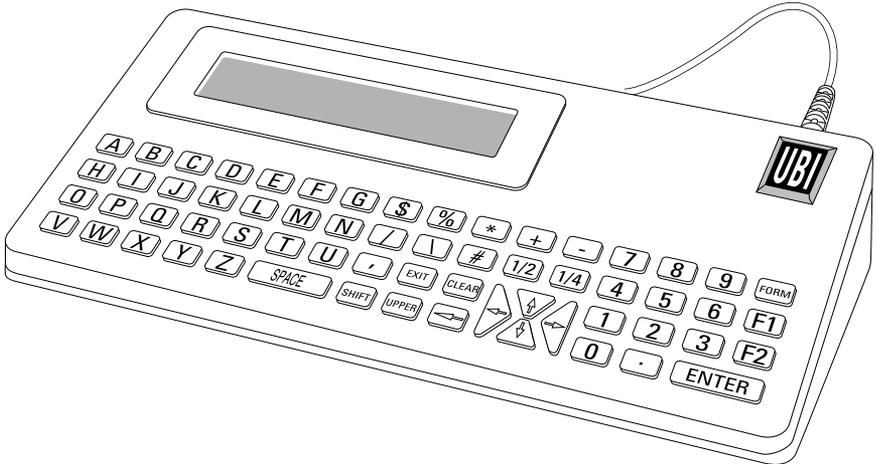


Keyboard/Display Unit

Description

The *Keyboard Display Unit (KDU)* is a terminal unit that provides *UBI EasyCoder 91* with a stand-alone capacity.



The KDU has sixty-two (62) keys and a 2×20 characters LCD display. The KDU is powered by and communicates with the printer through a cable connected to the printer's RS 232C port.

The KDU also has an auxiliary RS 232C port for input only, i.e., from a scanning device, magnetic stripe reader, scale, etc. The KDU provides +5V to the auxiliary port.

The KDU is strictly terminal and **does not** have the capability to store data or setup parameters. The KDU is used for the following functions:

- List label forms stored in printer.
- Retrieve stored label forms.
- Input variable data.
- Print label.

The KDU has the following dimensions:

| | | |
|---------------------------|----------|------------|
| Width | 195 mm | (7.68") |
| Depth (incl. cable) | 110 mm | (4.33") |
| Height | 29 mm | (1.14") |
| Weight | 0.25 kgs | (0.55 lbs) |

UBI EasyCoder 91
Keyboard/Display Unit
Edition 1, October 1996
Part No. 1-960416-00

Setup

Check that the printer is set up for the following communication protocol, e.g. by issuing a **U** command or entering the Test Mode:

Baud rate **9600**, Parity **none**, Data bits **8**, Stop bits **1**.

If not, reset the communication parameters using a **Y** command.

Check that the printer is set up correctly in regard of number of data bits (8), printer country code, and KDU country code using the **I** command.

The KDU comes with a set of self-adhesive overlays that can be stuck above the special character keys (\$,%,*,+ - and /,\,#,1/2 and 1/4) in order to mark which keys to use for special national characters produced when selecting certain KDU country codes. Refer to instructions at the back of the overlay set.

Refer to the EasyCoder 91 Programming Manual for information on the various modes and commands.

Switch the printer power to OFF and connect the KDU's 9-pin connector to the printer's serial port, then switch power ON.

Startup

At power ON, the Main Menu reads:

```
FORM - retrieve form
F2 - list forms vx.x
```

Press the <F2> key to print a list of saved forms.

The time and date will print out if that option is installed. If not installed, the time and date will print as zero's.

Print a Form

Retrieve a Form:

Press the <FORM> key. The top line in the display will prompt:

Enter Form Name:

—

Enter the form name using the keys on the keyboard. Upper and lower case letters must match exactly as the form name was saved. If a scanner is connected to the KDU, you may enter the form name by scanning.

When the form name is entered, press <ENTER> to continue. The form is now retrieved and active in the printer.

Form without Variables:

If the form *does not* contain variables, the display line will prompt:

Number of Label Sets

1_

The default number of labels is always one (1).

- **Single Label:**

If one (1) label is desired, press <ENTER> to print that label.

- **Multiple Labels:**

If multiple labels are desired, enter the new quantity and press <ENTER> to print labels.

- **Exit a Form:**

Press <EXIT> at any time to return to the Main Menu, *or* press <FORM> to select another form.

Form with Variables:

If the form contains variables, the display line will display the 1:st variable prompt, i.e.:

Store No.

—

Enter data at each variable prompt and press <ENTER>.

Print a Form, cont'd.

The final prompt is:

```
Number of Label Sets
1_
```

The default number of labels is always one (1).

- **Single Label:**

If one (1) label is desired, press <ENTER> to print that label.

- **Multiple Labels:**

If multiple labels are desired, enter the new quantity and press <ENTER> to print labels.

- **Exit a Form:**

Press <EXIT> at any time to return to the Main Menu, *or* press <FORM> to select another form.

Form with Consecutive Number Fields:

If the form contains a consecutive number field, the system will automatically keep track of the next number sequence. If you do not need to interfere with this pre-determined sequence, press <ENTER> at this prompt.

The final prompt is:

```
Copies of Each Label
1_
```

The default number of copies is always one (1). If one (1) copy is desired, press <ENTER> to print that label.

Note: Change quantity if you desire multiple labels with the same consecutive number.

Print a Form, cont'd.

Edit a Form:

Once a form has been activated, it will automatically indicate the last information keyed in. If you want to retain that information, press <ENTER>.

To Enter Data:

1. Enter the new data, thereby overriding the old data, *or*
2. Press <ENTER> if the old data is correct, *or*
3. Use the orange backspace key (<-) or the <CLEAR> key to modify data.

When you have finished editing and have printed the label, you will automatically return to the first variable prompt.

Exit a Form:

Press <EXIT> at any time to return to the Main Menu, or press <FORM> to select another form.

Protecting Data:

If the label form has been designed to “hide” a variable prompt, e.g., Store No., that data will be protected and this prompt will appear *only* when the form is initially retrieved.

Another label design command will prevent a prompt from ever showing and may be desirable for applications, where data should not be changed, e.g., Serial Numbers.

Auxiliary Port

The auxiliary port is intended for RS 232C communication from e.g. a scanner or magnetic strip reader and is provided with a female DB-9 connector.

The pin configuration is:

Pin 1 Optional + 5V, 150 mA

Pin 2 N/C

Pin 3 Receive data

Pin 4 N/C

Pin 5 Ground

Pin 6 Ready

Pin 7 N/C

Pin 8 N/C

Pin 9 + 5V, 150 mA

The communication is permanently set to:

Baudrate 4800

Data Bits 8

Parity Odd

Stop Bits 1