BT232:

The two operating modes:

The BT232 replaces a serial null-modem (twisted) cable with wireless Bluetooth (BT) technology.
It can be used with any device which is connected with a RS232 cable (regardless of the type of operating, computer or cash register system used).
It cannot be used for single point to multiple point, or multiple point to single point, transmissions.

The BT232 can also operate in the Standard BT SPP mode. It then communicates with any device which has a BT interface (PDA, Laptop, etc.). A PDA, for example, can be used to send data to a BT232 equipped serial printer (this requires the use of only one BT232). This overview will not go into details regarding the SPP mode. More information can be found on the CD.

NO SOFTWARE NECESSARY

The pair of BT232s are factory matched and can be used without further configuration (provided the parameters of the devices connected by cable are 9600,n,8,1,HW-Handshake DSR/DTR or RTS/CTS).

If the configuration does need to be modified, this can be done from any computer (regardless of the operating system) with a terminal program (for example, Hyperterminal, Telix, Kermit, etc.).

Details for operating mode 1 (replacing an RS232 cable):

If the external device (for example a receipt printer, customer display, etc.) worked with a serial null-modem cable, the cable can be replaced with a pair of BT232s (a 9/25pin converter is provided with the BT232s; a special cable may be necessary for cash registers not using a DSub connector as serial port).
The pair of BT232s are factory matched and can be used without further configuration (provided the parameters of the devices connected by cable are 9600,n,8,1, HW-Handshake DSR/DTR or RTS/CTS). With these parameters, the device must work immediately - as if the cable was still in use.

If the external device is attached with a 1:1 cable, then on one end (no matter which), a serial null-modem cable must be placed between the BT232 and the device (this negates the “twist” in the BT232 and reestablishes the 1:1 connection).

General configuration (valid for both operating modes):

To change the configuration of a BT232, it must be connected directly (without cable) to the RS232 port of a computer. A terminal program with the parameters shown above must be started. Only one BT232 at a time can be programmed.

Change the switch on the BT232 from “Active” to “Setup.”
After 5 seconds, hit “Return” once. The “setup” menu of the BT232 appears on the screen. All changes are made here. For details check the CD.

Important:

- All configuration commands must be in capital letters only.
- Use “X” to save changes, then
- Move the switch back to “Active.”
- If both BT232s are configured correctly, the “Link-LED” in the “Active” mode will turn green.

- **The transmission can only work if the LED on each BT232 is green.**
- **Whenever the switch is moved to „Setup,“ the transmission parameters are reset to the „standard parameters,“ to ensure an error free transmission.**

These „standard parameters,“ which are activated after each setup, can be changed. This requires that the Baud Rate, Parity or Stop Bits receive a “D” (capital letter) AFTER the value and BEFORE typing “Return.” This new value then becomes the “standard parameter.”

Example:

1. Baud Rate Factory Setting Changing (19200): B4D<CR>
2. Parity Factory Setting Changing (Odd) : P1D<CR>
3. Stop Bit Factory Setting Changing (2 Stop bits): S1D<CR>
4. Handshake Factory Setting Changing (none): F0D<CR>

Advantage: moving the switch to „Setup“ and then back to “Active,” ensures that all parameters are correct – regardless of the previous configuration.

For more details regarding the individual configurations, look on the CD or the parameter overview in the setup mode of the terminal program. A „?“ and a „Return“ must be typed.

Good luck!

Can only be connected to the serial (Anschluss nur an serielle Schnittstelle (USB-Kabel dient nur zur Stromversorgung).

Stromversorgung wahlweise über Netzteil oder USB-Schnittstelle (im Lieferumfang).