



## Software Development Kit

To allow customers to fully utilize the functionality of the Bluetooth Enabler/OEM Bluetooth Enabler™ connectBlue has developed a Software Development Kit, a SDK, for these products.

The SDK allows tight integration of the Bluetooth Enabler/OEM Bluetooth Enabler™ into a new or existing product.

### Configuration utility

The Bluetooth Enabler/OEM Bluetooth Enabler both ship with a configuration utility. Currently the configuration utility is available for Windows 98/ME/2000/NT.

The configuration utility allows the user to:

1. Select which Bluetooth device to communicate with
2. Search for other Bluetooth devices
3. Retrieve the device name of other Bluetooth devices
4. Manage Bluetooth settings
  - Select Bluetooth operation mode
  - Select Bluetooth profile
  - Set Bluetooth device name
  - Set connection timeout
5. Handle Bluetooth security, including pairing, PIN codes and security modes
6. Manage list of favorite devices
7. Select serial interface settings such as, baud rate, number of data bits, parity, stop bits and flow control

## Application Controller Interface, ACI

The configuration utility communicates with the Bluetooth Enabler/OEM Bluetooth Enabler using a protocol called ACI. The ACI protocol contains about 40 commands that allow the host to configure and control the Bluetooth Enabler/OEM Bluetooth Enabler.

All settings in the Bluetooth Enabler/OEM Bluetooth Enabler have default values. Therefore, in many cases only a few of the ACI commands will be needed.

### Enabling Bluetooth in new and existing products

By using the SDK together with the Bluetooth Enabler/OEM Bluetooth Enabler it is possible to enable the Bluetooth wireless technology in a new or existing product with very little effort.

The following steps are needed to enable Bluetooth in a product:

- Integrate the OEM Bluetooth Enabler into your product or connect the Bluetooth Enabler to your product
- Add the generic C-code for the ACI protocol to your product
- Use the ACI protocol to configure the settings that your product requires

There is no need to spend time on:

- Implementing Bluetooth profiles and protocols
- Purchasing Bluetooth protocols stacks
- Developing Bluetooth hardware

The Bluetooth Enabler/OEM Bluetooth Enabler together with the SDK allows your product to use the Bluetooth wireless technology in the shortest 'time to market' using as little development resources as possible.

## Technical Data

### SPECIFICATIONS

#### Application Controller Interface, ACI

The configuration utility communicates with the Bluetooth Enabler/OEM Bluetooth Enabler using a protocol called ACI. The ACI protocol contains about 40 commands that allow the host to configure and control the OEM Bluetooth Enabler and the Serial Port Adapter.

All settings in the Bluetooth Enabler/OEM Bluetooth Enabler have default values. Therefore, in many cases only a few of the ACI commands will be needed.

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#### System requirements for ACI client

~400 bytes RAM  
~10 kbytes FLASH

#### Order number

cB-SDK-01 (Software Development Kit for Bluetooth Enabler)

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