PLEASE UPDATE THE EXECUTIVE IN THE OCELOT/LEOPARD TO v3.17 OR HIGHER BEFORE YOU BEGIN!
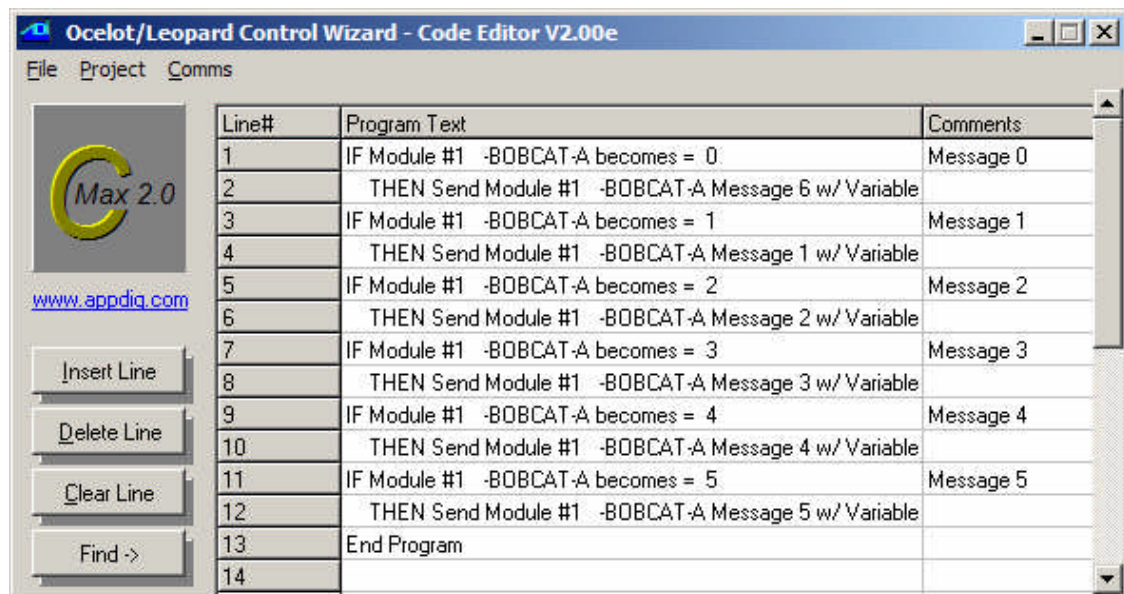
You must have an ASCII Bobcat with software version 8 loaded into it for the receive ASCII to work.

The ASCII Bobcat will now transmit and receive ASCII messages. Transmitting messages operates in the same way as previous releases.

Receiving messages does not return the actual message to the Ocelot/Leopard, but uses a search and match system due to the limited resources in the ASCII Bobcat. All messages that are to be transmitted or received must be loaded into the ASCII Bobcat before use. A terminating character must be loaded into parameter 8 for receiving any ASCII messages. The terminating character must be included in the stored messages in the ASCII Bobcat's message list. The default terminating character is a carriage return (\r, 0x0D).

Once the terminating character is received, the ASCII Bobcat will search its list of messages for a match. If a match is found, the ASCII Bobcat will return the number of the matched message. If no message is matched, the ASCII Bobcat will return a data number of 65534. When idle the ASCII Bobcat will return a data number of 65535.

The following code snippet is an example of receiving and transmitting ASCII Bobcat. When a matched message is found, the message is echoed back to the sender. Line 2 sends a message that contains an embedded data variable.

In our example we use the default terminating character of a carriage return. Following is an example or our ASCII message list that was sent to the Ocelot/Leopard.

Receiving ASCII Messages with the ASCII Bobcat

NOTE: Message 6 has an embedded data variable. This message type can only be used for transmitting messages, not receiving messages.