

## **MATLAB 2008 Command Prompt Example: Using mcl\_USB\_To\_IO.USB\_IO**

```
>> h=actxserver('MCL_USB_To_IO.USB_IO')
```

```
h =
```

```
COM.MCL__USB__To__IO__USB__IO
```

```
>> h.invoke
```

```
    GetExtFirmware = [int16, char, char, char, char, string]
GetExtFirmware(handle, char, char, char, char, string)
    Set_SPI_PulseWidth = [int16, int16] Set_SPI_PulseWidth(handle, int16)
    Get_Available_SN_List = [int16, string] Get_Available_SN_List(handle,
string)
    Read_ModelName = [int16, string] Read_ModelName(handle, string)
    Read_SN = [int16, string] Read_SN(handle, string)
    SPI_OUT_Trigger = [int16, string, int16] SPI_OUT_Trigger(handle, string, int16)
    SPI_OUT = [int16, string, string, string, string] SPI_OUT(handle, string,
string, string, string)
    Set_ByteA_As_Input = int16 Set_ByteA_As_Input(handle)
    Set_ByteB_As_Input = int16 Set_ByteB_As_Input(handle)
    Set_ByteA_As_Output = int16 Set_ByteA_As_Output(handle)
    Set_ByteB_As_Output = int16 Set_ByteB_As_Output(handle)
    Set_ByteA = [int16, char] Set_ByteA(handle, char)
    ReadByteA = [int16, char] ReadByteA(handle, char)
    ReadByte = [int16, string, char] ReadByte(handle, string, char)
    Read_Relays_Byte = [int16, char] Read_Relays_Byte(handle, char)
    ReadByteB = [int16, char] ReadByteB(handle, char)
    ReadBit = [int16, string, char] ReadBit(handle, string, char)
    Set_ByteB = [int16, char] Set_ByteB(handle, char)
    Set_RelayByte = [int16, char] Set_RelayByte(handle, char)
    Set_Relay = [int16, int16, int16] Set_Relay(handle, int16, int16)
    Set_TTLBit = [int16, string, int16] Set_TTLBit(handle, string, int16)
    Set_TTLPulse = [int16, string, int16] Set_TTLPulse(handle, string, int16)
    Connect = int16 Connect(handle, Variant(Optional))
    Disconnect = void Disconnect(handle)
```

```
>> h.Connect
```

```
ans =
```

```
1
```

```
>> h.Set_ByteA_As_Output
```

```
ans =
```

```
1
```

```
>> h.Set_ByteA('7')
```

```
ans =
```

```
1
```

```
>> h.Set_Relay(0,0)
```

```
ans =
```

```
1
```

```
>> h.Set_Relay(0,1)
```

```
ans =
```

```
1
```

```
>> h.Set_Relay(0,0)
```

```
ans =
```

```
1
```

```
>> h.Disconnect
```

```
>>
```