

```
' FILE: guiProject
' DATE: 5/18/02
' AUTH: CWK (adapted from tcpClient by P.Oh)
' DESC: Cye Robot Control Client
' REFS: Deitel p. 829 Fig. 19.12
Option Explicit
```

```
Private Sub cmdEnd_Click()
End
End Sub
```

```
Private Sub cmdJoystick_Click()
frmJS2.Visible = True
End Sub
```

```
Private Sub Form_Load()
' Set up local port and wait for connection
tcpClient.RemoteHost = InputBox("Enter the remote host IP Address", _
"IP Address", "localhost")
tcpClient.RemoteHost = "129.25.27.72"
If tcpClient.RemoteHost = "" Then
tcpClient.RemoteHost = "localhost"
End If
tcpClient.RemotePort = 5000 ' server port
Call tcpClient.Connect ' connect to RemoteHost address
End Sub
```

```
Private Sub Form_Terminate()
Call tcpClient.Close
End Sub
```

```
Private Sub tcpClient_Close()
Call tcpClient.Close ' server closed, client should too
txtOutput.Text = txtOutput.Text & "Server closed connection." & vbCrLf
txtOutput.SelStart = Len(txtOutput.Text)
End Sub
```

```
Private Sub tcpClient_Connect()
' When connection occurs, display a message
txtOutput.Text = "Connected to IP address: " & _
tcpClient.RemoteHostIP & vbCrLf & vbCrLf
End Sub
```

```
Private Sub tcpClient_DataArrival(ByVal bytesTotal As Long)
Dim message As String
Call tcpClient.GetData(message) ' get data from server
Call parseString(message)
End Sub
```

```

Private Sub tcpClient_Error(ByVal Number As Integer, Description As String, ByVal
Scode As Long, ByVal Source As String, ByVal HelpFile As String, ByVal HelpContext
As Long, CancelDisplay As Boolean)
' If the client fails to connect to server, then this code executes
Dim result As Integer
result = MsgBox(Source & ": " & Description & vbCrLf & "Doh! Can't connect to
server!", _
vbOKOnly, "TCP/IP Error")
' Source variable is the control (winsock in this case) causing the error
' Description variable cites the error message
' vbOKOnly is the control button
' TCP/IP Error is the MsgBox caption
End
End Sub

```

```

Public Sub Send_Data(data As String)
' Send data to server
txtOutStr.Text = ""
Call tcpClient.SendData(data)
txtOutStr.Text = data & vbCrLf & vbCrLf
End Sub

```

```

Public Sub parseString(S As String)

```

```

Dim prs As String
Dim dLoc As Integer
Dim cLoc As Integer
Dim eLoc As Integer
Dim curHead As String
Dim curAng As String

```

```

dLoc = InStr(S, "d")
cLoc = InStr(S, "c")
eLoc = InStr(S, "e")

```

```

curHead = Mid$(S, dLoc + 1, cLoc - dLoc - 1)

```

```

curAng = Mid$(S, cLoc + 1, eLoc - cLoc - 1)

```

```

txtCurrHead.Text = curHead

```

```

txtCurrCamAng.Text = curAng

```

```

End Sub

```