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|  | Connect类 |
| 数据 | Socket socket |
| **byte[] readBuff** 1K |
| int buffCount |
| bool isUse = false |
| byte devNum = 0xFF; //设备编号：IP |
| 方法 | void Init(Socket socket) //connect初始化 |
| string GetAdress() //获得socket的地址 |
| void Close() //关闭socket |

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|  | TcpServer类 |
| 数据 | Socket listenfd |
| Connect[] connects 50 |
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| 方法 | void **Start**(string host, int port) //初始化connects数组，开启TCP监听  1. connects = new Connect[maxConnectCount];  for (int i = 0; i < maxConnectCount; i++)  connects[i] = new Connect();  2. listenfd.BeginAccept(AcceptCb, null); |
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| void **AcceptCb**(IAsyncResult ar) //异步监听连接函数  1. int index = NewIndex()  2. connect.Init(socket);  3. connect.socket.BeginReceive(**connect.readBuff**, connect.buffCount, connect.BuffRemain(), SocketFlags.None, ReceiveCb, connect);  4. listenfd.BeginAccept(AcceptCb, null); |
| void **ReceiveCb**(IAsyncResult ar) //异步接受数据函数  1.int count = connect.socket.EndReceive(ar);  2.connect.socket.Send(sdbytes);  3.connect.socket.BeginReceive(connect.readBuff,connect.buffCount, connect.BuffRemain(), SocketFlags.None, ReceiveCb, connect); |
| int **SendTcpData**(byte[],int length) //TcpServer的发送函数 |
| int **NewIndex**() //在connects数组中查找一个空闲的位置 |

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|  | Form1类 |
| 数据 | s1\_num //dev1 那段路被选中 |
| Byte[] s1\_sdarr = new byte[50];//向屏幕1发送数据的缓存 |
| s2\_num //dev2 那段路被选中 |
| Byte[] **s2\_sdarr** = new byte[50]; |
| TcpServer sv=new TcpServer(); |
| 控件 | 各类控件对象  模式选择：comBox  显示信息：listView  显示容器：TabContal  选路按钮：pictureBox  发送按钮：Button  状态栏: statusStrip |
| 方法 | **Form1()**  准备：放开启server代码 |
| void **myRClickMenuColor\_s1**(int color)  //1.改变路1的颜色  //2.填充发送数组s1\_sdarr[50] |
| void  **myRClickMenuColor\_s2**(int color)  //改变路2的颜色  //2.填充发送数组s2\_sdarr[50] |
| void **s1\_BtnSnd\_Click**(object sender, EventArgs e) //手动模式，屏1发送s1\_sdarr |
| void **s2\_BtnSnd\_Click**(object sender, EventArgs e) //手动模式, 屏2发送s2\_sdarr |
| void UpdateState(int msgType,int msgData,string text) //TcpServer用来更新控件 |

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|  | Program类 |
| 数据 | public static Form1 gdFrom; |
| 方法 | static void Main() //主函数  1.gdFrom=new gdFrom;  2.Application.Run(gdFrom); |



