HelloDevice UniversalComm

1.0.0

2003-09-25

1.

HelloDevice UniversalComm   TCP/UDP/

                               .   ,

HelloDevice   ,

                      ,   .
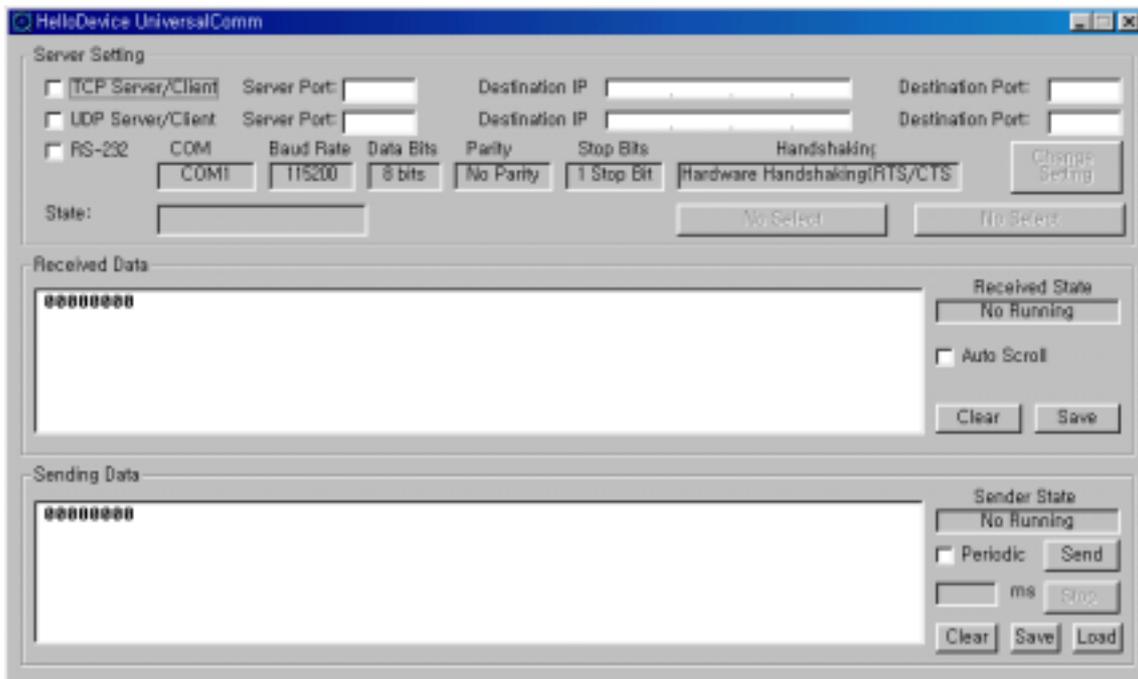
O/S   :

                        98/ME/NT/2000/XP   .

          :

   -                  (Server Setting)

   -                       (Received Data)

   -                 (Sending Data)

2.

1) Setup_HDUniversalComm_1.0.0.exe   .
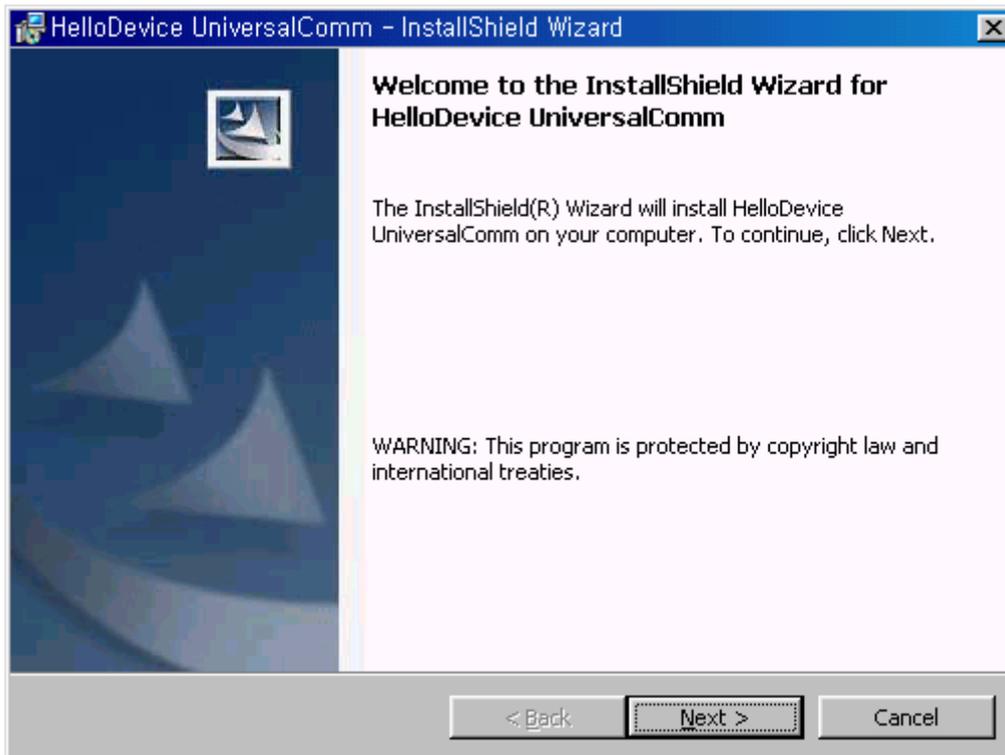

2)   .

3)   ,
        -                                     C:\Program Files\sena\HelloDevice UniversalComm
                .
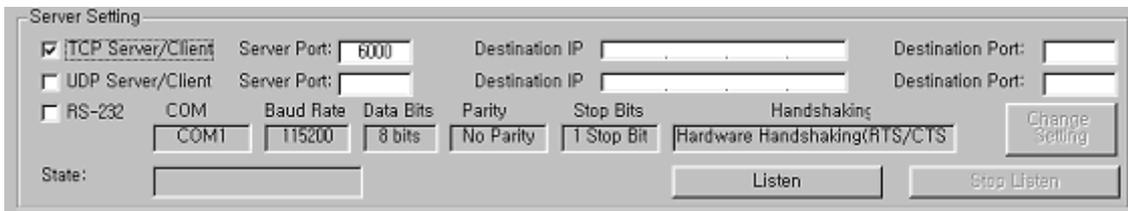   -   UniversalComm   .

4)   .

3.

Server Setting

  -
  -
  - .

3.1

1)
   TCP/UDP   RS-232   .

2)
                         TCP   Server port,
            Destination IP   Destination Port   .

3) State
                                                                    .
   (Connected, Disconnected, Listening, Waiting Data, Open, Close   )

4) [Change Setting]
   RS-232   ,

5)
                                                                          ,
                                          .

   TCP
            Client   , [Connect]   [Disconnect]
            Server   , [Listen]   [Stop Listen]

5

UDP

[Bind]　[Stop Bind]

RS232

[Open]　[Close]

3.2 TCP Server

1) Server Port   Listening Port   , TCP Server/Client
Enable   .

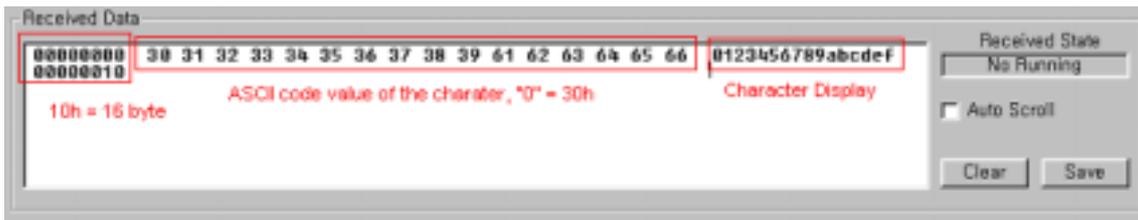2) [Listen]   TCP Server   .

3.3 TCP Client

1)   IP   TCP Port   Destination IP   Destination Port
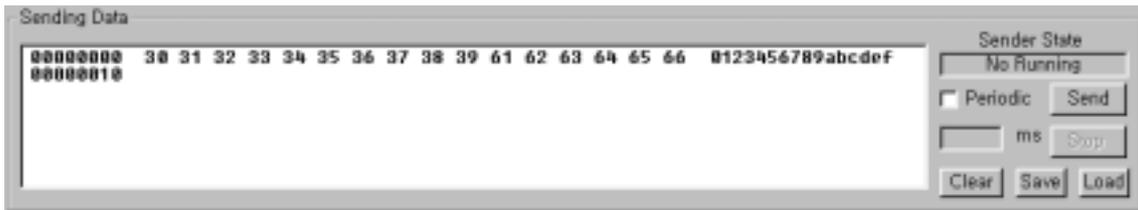, TCP Server/Client   Enable   .

2) [Connect]   , TCP Client
.

3.4 UDP Server

    1) Server Port   UDP   ,   UDP   UDP
        Server/Client   Enable   .

    2) [Bind]   UDP Server   .

3.5 UDP Client

    1)   IP   UDP Port   Destination IP   Destination Port
              , UDP Server/Client   Enable   .

    2) [Bind]   UDP Client   .

3.6 UDP

UDP   . ,
              UDP   Server Port   ,
UDP   Destination IP   Destination Port
                    .

    1) Server Port   UDP Port   ,
        Destination IP   Destination Port   UDP   IP
        UDP Port

2) [Bind]　　　　　　　　　UDP　　　　　　　　　　　　.

3.7 RS-232

1) RS-232　　　　　　　Enable　　　.

2) [Change Setting]　　　　　　　　　　　　　　　.

3) [Open]

　　　.

4.

　　　　　　　　　, 　　　　　　　　　　　　　　(Listen, Connect, Bind, Open)

　　　　　　　　　　.

4.1

Received Data　　　　　, 　　　　　　　　　　, TCP/UDP

　　　　　　　　　　　　　, 　　　　　　　　　(16　　　　),

ASCII 　　　　　　　　　　　　　.

Received Data display with labels:
- 10h = 16 byte
- ASCII code value of the charater, "0" = 30h
- Character Display

, "0123456789abcdef"   .

1) [Save]
   Received Data   .

2) [Clear]
   Received Data   .

3) [Auto Scroll]
   Enable   ,   ,   .

4.2

Sending Data   ,   , TCP/UDP
                                              ,   ASCII
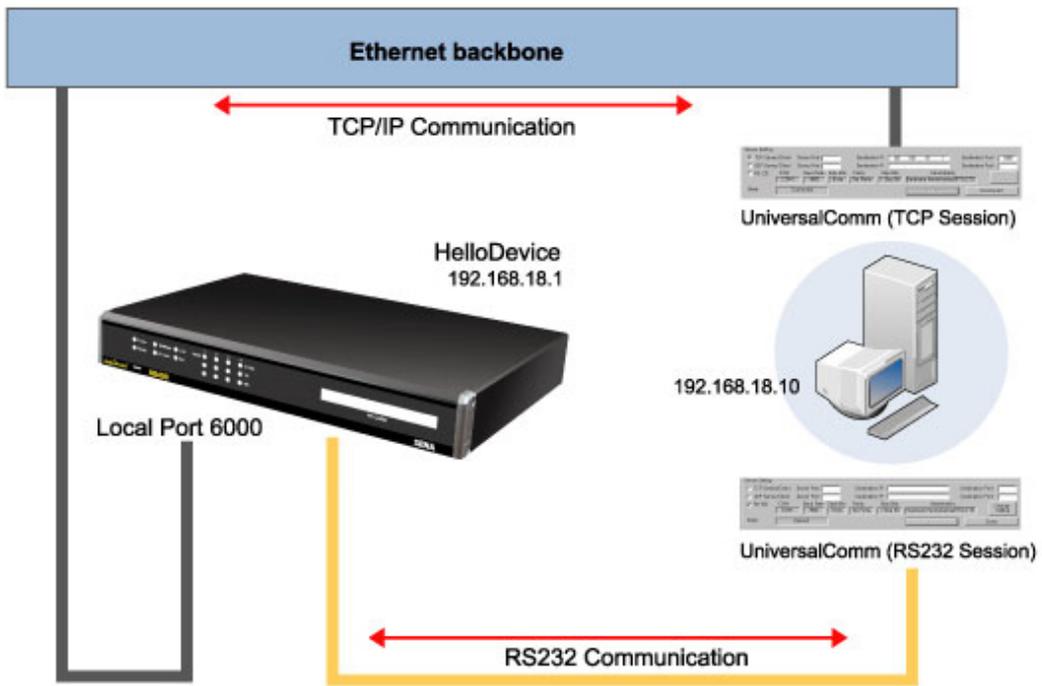   .

1) [Load]
                                    ,   .

2) [Save]
                                    .

3) [Clear]
                                    .

9

4) [Send]

.

5) Periodic

Enable , [ms] .
, [Send] , Sending Data

.

6) [Stop]

.

5.

UniversalComm   PC   HelloDevice   TCP/IP–RS-232
       .   UniversalComm   HelloDevice   TCP
    UniversalComm   HelloDevice   RS-232   HelloDevice
      UniversalComm   .

5.1.

   -

   ■   HelloDevice: 1320E, LS100, PS100/200/400, SS100/110/400/800
   ■   RS232
   ■   PC
   ■   HelloDevice UniversalComm

1) PC   COM1   HelloDevice   RS232
        .
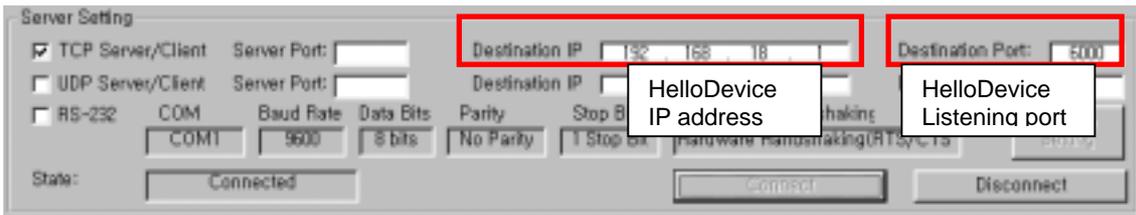2) HelloDevice   .   , PC
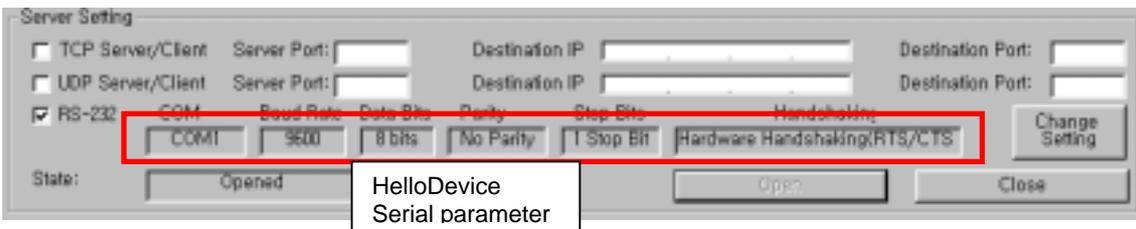   .

5.2.

- PC IP : 192.168.18.10
- HelloDevice
    - IP : 192.168.18.1.
    - :
      1320, LS100, PS100/200/400, SS100: TCP Server (Local port : 6000)
      SS110/400/800: TCP , Listening port 6000
    - : 9600 , 8, N, 1 , H/W

- UniversalComm
    - TCP Client
      1) HelloDevice UniversalComm ,
         .
      2) Destination IP Destination port , Session .

      3) [Connect] HelloDevice PC TCP session
         .

    - RS-232
      1) HelloDevice UniversalComm ,
         .
      2) [Change Setting] PC RS232 HelloDevice
         .

      3) [Open] HelloDevice PC RS-232
         .

5.3.

5.3.1. TCP

1)   TCP Session   UniversalComm   (TCP Comm)
      Sending Data   "0123456789abcdef"
         [Send]   .

2)   RS232   UniversalComm   (Serial Comm)   Received
      Data   TCP Comm   "0123456789abcdef"
                       .

5.3.2. RS232

1) Serial Comm   Sending Data   "0123456789abcdef"
                [Send]   .

2) TCP Comm   Received Data   Serial Comm
      "0123456789abcdef"   .

                                          .