Software Instruction

MASTER

Note: 'n is necessary and can't contain NULL CHARACTER when send instructions, the value of 'n is 0x0D 0x0A in Hex

SETTING:

1. Set work mode
   \r\n+STWMO=1\r\n   Set work mode Master

2. Set baud rate
   \r\n+STBD=38400\r\n   Set baud rate 38400
   Support baud rate:9600,19200,38400,57600,115200,230400,460800

3. Set device name
   \r\n+STNA=SeeedBTMaster\r\n   Set device name “SeeedBTMaster”

4. Power on, automatic connect the last device
   \r\n+STAUT=0\r\n   Close the function
   \r\n+STAUT=1\r\n   Open the function

5. Permit pair the device
   \r\n+STOAU=0\r\n   Close the function
   \r\n+STOAU=1\r\n   Open the function

6. Set PINCODE
   \r\n+STPIN =0000\r\n   Set PINCODE “0000”

7. Delete PINCODE
   \r\n+DLPIN\r\n   Delete PINCODE

8. Open echo
   \r\n+STECHO=1\r\n   Open echo
   \r\n+STECHO=0\r\n   Close echo

9. Read local ADDRESS CODE
   \r\n+RTADDR\r\n   Return address of the device

10. Auto-reconnecting when master device is beyond the valid range(slave device will auto-reconnect in 30 min when it is beyond the valid range)
\r\n+LOSSRECONN=0  
Forbidden auto-reconnecting
\r\n+LOSSRECONN=0  
Permit auto-reconnecting

**NORMAL OPERATION:**

1. Inquire

\r\n+INQ=0  
Stop inquiring
\r\n+INQ=1  
Begin/Restart inquiring

2. Bluetooth module returns inquiring result

\r\n+RTINQ=aa,bb,cc,dd,ee,ff,nn  
A serial Bluetooth device with the address "aa,bb,cc,dd,e,ff" and the name "nn" is inquired

3. Connect device

\r\n+CONN=aa,bb,cc,dd,ee,ff,nn  
Connect to "aa,bb,cc,dd,ee,ff" device

4. BT request input PINCODE

\r\n+INPIN

5. Input PINCODE

\r\n+RTPIN=code  
Example: \r\n+RTPIN=0000  
Input PINCODE "0000"

6. Disconnection

Put PIO0 to high, disconnect current device

7. Return status (Not command)

\r\n+RTSTA:xx  
XX Status:
0, Initializing
1, Ready
2, Inquiring
3, Connecting
4, Connected

> **SLAVE**

**Note:** \r\n\nI\n is necessary and can't contain NULL CHARACTER when send command, the value of \r\n is 0xD 0xA in Hex
1. Set work mode
   \texttt{\textbackslash n+STWOD=0\textbackslash n}  
   Set work mode Slaver

2. Set baud rate
   \texttt{\textbackslash n+STBD=38400\textbackslash n}  
   Set baud rate 38400
   Support baud rate:9600,19200,38400,57600,115200,230400,460800

3. Set device name
   \texttt{\textbackslash n+STNA=SeeedBTSlaver\textbackslash n}  
   Set device name “SeeedBTSlaver”

4. Power on, automatic connect the last device
   \texttt{\textbackslash n+STAUTO=0\textbackslash n}  
   Close the function
   \texttt{\textbackslash n+STAUTO=1\textbackslash n}  
   Open the function

5. Permit pair the device
   \texttt{\textbackslash n+STOAUT=0\textbackslash n}  
   Close the function
   \texttt{\textbackslash n+STOAUT=1\textbackslash n}  
   Open the function

6. Set PINCODE
   \texttt{\textbackslash n+STPIN =0000\textbackslash n}  
   Set PINCODE “0000”

11. Delete PINCODE
    \texttt{\textbackslash n+DLPIN\textbackslash n}  
    Delete PINCODE

12. Open echo
    \texttt{\textbackslash n+STECO=1\textbackslash n}  
    Open echo
    \texttt{\textbackslash n+STECO=0\textbackslash n}  
    Close echo

13. Read local ADDRESS CODE
    \texttt{\textbackslash n+RTADDR\textbackslash n}  
    Return address of the device

**NORMAL OPERATION:**

1. Inquire
   \texttt{\textbackslash n+INQ=0\textbackslash n}  
   Disable been inquired
   \texttt{\textbackslash n+INQ=1\textbackslash n}  
   Enable been inquired

2. Connect device
   \texttt{\textbackslash n+CONN=aa,bb,cc,dd,ee,ff\textbackslash n}  
   Connect to “aa,bb,cc,dd,ee,ff” device

3. BT request input PINCODE
   \texttt{\textbackslash n+INPIN\textbackslash n}  
   .
4. Input PINCODE
\r\n+RTPIN=code\r\nExemple: +RTPIN=0000\r\n
Input PINCODE "0000"

5. Disconnection
Put PIO0 to high ,disconnect current device

6. Return status (Not command)
\r\n+RTSTA:xx\r\nXX Status:
0, Initializing
1, Ready
2, Inquiring
3, Connecting
4, Connected