**Detailed description of Bluetooth transmission**

**1. At present, our serial instructions support AT instructions and Bluetooth data transmission.**

**2. Bluetooth data transmission exists in the life cycle of the whole chip. As long as the chip initializes Bluetooth, Bluetooth data transmission will always run in the background, even if it is playing TF card or connecting to PC, Bluetooth data transmission has always existed.**

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| Question 1 | **What is Bluetooth transmissions and what are their characteristics?** |
| **Answering question** | 1. Bluetooth data transmission refers to any data sent by MCU through serial port. After receiving the Bluetooth chip, it will be forwarded directly to the mobile terminal.  2. At the same time, Bluetooth will send any data to MCU through serial port, through the form of serial port.  **3. In our scheme, Bluetooth transmission does not require any instructions or settings.** |

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| Question 2 | **How does the chip distinguish AT instructions from transmitted data?** |
| **Answering question** | 1. For instructions sent by MCU, as long as they are not normal AT instructions, we will send them through. Examples are as follows:   |  |  | | --- | --- | | **Data sent by MCU** | **Explain** | | AT+CM00\r\n | **This is the normal AT command, which will not be transmitted out.It will be dealt with directly.** | | AT+CM00 | This is an abnormal order, which will be transmitted out, because there is no line change. | | KT+CM00\r\n | This will also be transmitted because it is not the beginning of the AT command. | | 1234AT+CM00\r\n | This will also be transmitted, because his initial data is not the AT beginning.AT&apos;s instructions are only in the middle, so they will be transmitted. | | 12121212121212kkk | This is pure data transmission, so it will be transmitted to the mobile phone. |   As for the transmitted data, how to deal with it is left to the wise to play it freely.    **2. It&apos;s easier to understand the instructions sent on the mobile phone - - SPP legend**  **(1) Any instruction is transmitted through.Even the normal instructions sent by the mobile terminal are transmitted through the phone.**AT+CM00\r\n  **When Bluetooth chip is received, it will not be processed. It will only be exported to MCU through serial port.**    **3. It&apos;s easier to understand the instructions sent by mobile phone-BLE Legend**  **(1), BLE here is slightly different from SPP, we give three signatures.The first two are complete transmissions, as detailed in Chapter 7.5.**  D:\document\convert_tasks\transweb\1603753_1615828\1603753.doc.files\image001.jpg |