



Agilent U1177A IR-to-Bluetooth Adapter

Configuration Guide



Agilent Technologies

Configuring the U1177A Remotely via Hyper Terminal

Hyper Terminal is a program that enables you to configure your U1177A remotely using AT commands – in this case via a Bluetooth connection.

NOTE

Before you begin, ensure that the **Bluetooth** connection on your PC is enabled.

- 1 Set the U1177A slide switch to **Setup**.
- 2 From your PC, go to **Start > All Programs > Accessories > Communication > Hyper Terminal**.
- 3 Set your telnet program. You may choose to set Hyper Terminal as your default telnet program.
- 4 Create a new connection for your U1177A. Go to **File > New Connection**. In the **Connection Description** window, type **U1177A** and select the appropriate icon. Click **OK**.
- 5 The **Connect To** window will be displayed. Go to **Connect using** and select a COM from the drop-down list. Click **OK**.
- 6 When the COM port settings are displayed, set the parameters accordingly as below and click **OK**.
 - Bit = 9600
 - Data Bit = 8
 - Parity = None
 - Stop Bit = 1
 - Flow Control = None
- 7 Configure or retrieve information from your U1177A using the AT command list shown in the following pages.

AT Command List

Command	User description	
ATG Power Management Control	This command controls the deep sleep timer. The U1177A will enter the deep sleep mode and turn off all the LEDs when there is no event activity. The timer will restart once an event interrupts the timer. The U1177A will wake up once the UART receives a proper signal.	
	Modifier	Description
	ATG=xxxxx	<ul style="list-style-type: none"> Set the deep sleep timer in seconds xxxxx can be set in the range of 60 to 65535. The accuracy is ± 2 seconds. Setting G=0 will disable the timer Default value = 900
	ATG0	Disable wake up from UART. Changes to this setting may lead to a system reboot.
	ATG1 (Default)	Enable wake up from UART. Changes to this setting may lead to a system reboot.
	ATG?	Acquire current settings
ATI Information	This command allows you to acquire information	
	Modifier	Description
	ATI0	Acquire the firmware version
	ATI1	Acquire the setting list
	ATI2	Acquire the RSSI at the online command mode

Command	User description	
ATL Baud Rate Control	This command sets the baud rate for the COM port.	
	Modifier	Description
	ATL#	Set the baud rate to 2400 bps
	ATL0	Set the baud rate to 4800 bps
	ATL1 (Default)	Set the baud rate to 9600 bps
	ATL2	Set the baud rate to 19200 bps
	ATL?	Acquire the current baud rate setting
ATP PIN Code Setting	This command sets the PIN number for your device. It can be used to set the PIN code authorization to Off. Default PIN = 1234.	
	Modifier	Description
	ATP=xxxx (Default)	<ul style="list-style-type: none"> • Set PIN number • xxxx can be set in the range of four numeric digits
	ATP0	Turn off the PIN code authorization
	ATP?	Acquire the current PIN code setting
ATZ Restore	This command reboots and restores the device to default settings.	
	Modifier	Description
	ATZ0	Set the device to default settings

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