

# Call Related Commands TRM250

[Main Page](#) > [TRM Modems](#) > [TRM250](#) > [TRM250 Manual](#) > [TRM250 AT Commands](#) > **Call Related Commands TRM250**



## Contents

- [1 Call Related Commands](#)
  - [1.1 ATA Answer an Incoming Call](#)
  - [1.2 ATD Mobile Originated Call to Dial a Number](#)
  - [1.3 ATH Disconnect Existing Connection](#)
  - [1.4 AT+CVHU\\* Voice Hang up Control](#)
  - [1.5 AT+CHUP\\* Hang up Call](#)
  - [1.6 +++ Switch from Data Mode to Command Mode](#)
  - [1.7 ATO Switch from Command Mode to Data Mode](#)
  - [1.8 ATS0 Set Number of Rings before Automatically Answering Call](#)
  - [1.9 ATS6 Set Pause before Blind Dialing](#)
  - [1.10 ATS7 Set Timeto Wait for Connection Completion](#)
  - [1.11 ATS8 Set the Timeto Wait for Comma Dial Modifier](#)
  - [1.12 ATS10 Set Disconnection Delay after Indicating the Absence of Data Carrier](#)
  - [1.13 AT+CSTA\\* Select Type of Address](#)
  - [1.14 AT+CLCC List Current Calls of ME](#)
  - [1.15 AT+CR Service Reporting Control](#)
  - [1.16 AT+CRC Set Cellular Result Codes for Incoming Call Indication](#)
  - [1.17 AT+CRLP Select Radio Link Protocol Parameter](#)
  - [1.18 AT+QECCNUM Configure Emergency Call Numbers](#)
  - [1.19 AT+QHUP\\* Hang up Call with a Specific Release Cause](#)

## Call Related Commands

### [ATA Answer an Incoming Call](#)

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The command connects the module to an incoming voice or data call indicated by a **RING** URC.

### [ATD Mobile Originated Call to Dial a Number](#)

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The command can be used to set up outgoing voice and data calls. Supplementary services can also be controlled with this command.

### [ATH Disconnect Existing Connection](#)

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The command disconnects circuit switched data calls or voice calls. **AT+CHUP** is also used to disconnect the voice call.

### **AT+CVHU\* Voice Hang up Control**

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The command controls whether **ATH** can be used to disconnect the voice call.

### **AT+CHUP\* Hang up Call**

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The command cancels all voice calls in the state of Active, Waiting and Held. For data connections, use **ATH**.

### **+++ Switch from Data Mode to Command Mode**

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The **+++** character sequence causes the module to switch from data mode to command mode. It allows inputting AT commands while maintaining the data connection with the remote device.

### **ATO Switch from Command Mode to Data Mode**

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The command resumes the connection and switches back from command mode to data mode.

### **ATS0 Set Number of Rings before Automatically Answering Call**

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The command controls automatic answering mode for the incoming calls.

### **ATS6 Set Pause before Blind Dialing**

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The command is implemented for compatibility reasons only, and has no effect.

### **ATS7 Set Time to Wait for Connection Completion**

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The command specifies the amount of time (unit: second) to wait for the connection completion in case of answering or originating a call. If no connection is established during the time, the module disconnects from the line.

## [ATS8 Set the Timeto Wait for Comma Dial Modifier](#)

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The command is implemented for compatibility reasons only, and has no effect.

## [ATS10 Set Disconnection Delay after Indicating the Absence of Data Carrier](#)

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The command determines the amount of time(unit: tenths of a second) during which the UE remains connected in absence of a data carrier.

## [AT+CSTA\\* Select Type of Address](#)

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The Write Command selects the type of number for further dialing commands **ATD** according to 3GPP Specifications. Test command returns values supported a compound value.

## [AT+CLCC List Current Calls of ME](#)

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The execution command returns the list of all current calls. If the command is executed successfully, but no calls existed, no information response but **OK** is sent to TE.

## [AT+CR Service Reporting Control](#)

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The command controls the module whether or not to transmit an intermediate result code **+CR:** **<serv>** to the TE when a call is being set up.

If it is enabled, an intermediate result code is transmitted at the point during connect negotiation at which the TA has determined which speed and quality of service will be used, before any error control or data compression reports are transmitted, and before any final result code (e.g. **CONNECT**) is transmitted.

## [AT+CRC Set Cellular Result Codes for Incoming Call Indication](#)

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The command controls whether or not to use the extended format of incoming call indication. When it is enabled, an incoming call is indicated to the TE with unsolicited result code **+CRING: <type>** instead of the normal **RING**.

## [AT+CRLP Select Radio Link Protocol Parameter](#)

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The Write Command sets radio link protocol (RLP) parameters used when non-transparent data calls

are originated.

## **AT+QECCNUM Configure Emergency Call Numbers**

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The command can be used to query, add and delete ECC numbers (emergency call numbers). There are two kinds of ECC numbers: ECC numbers without (U)SIM and ECC numbers with (U)SIM. The default ECC numbers without SIM is 911, 112, 00, 08, 110, 999, 118 and 119. The default ECC number with (U)SIM is 911 and 112. 911 and 112 will always be supported as ECC numbers, and cannot be deleted. ECC numbers can be saved into NV automatically. If the (U)SIMcard contains ECC file, the numbers in ECC file can also be regarded as ECC numbers.

The maximal supported ECC numbers of each type is 20.

## **AT+QHUP\* Hang up Call with a Specific Release Cause**

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The command can terminate a call or calls (including both voice call and data call) with a specific 3GPP TS 24.008 release cause specified by the host.