

# Status Control Commands TRM250

[Main Page](#) > [TRM Modems](#) > [TRM250](#) > [TRM250 Manual](#) > [TRM250 AT Commands](#) > **Status Control Commands TRM250**



## Contents

- [1 Status Control Commands](#)
  - [1.1 AT+CPAS Mobile Equipment Activity Status](#)
  - [1.2 AT+QCFG Extended Configuration Settings](#)
  - [1.3 AT+QCFG="nwscanseq" Configure RAT Searching Sequence](#)
  - [1.4 AT+QCFG="nwscanmode" Configure RAT\(s\) to be Searched](#)
  - [1.5 AT+QCFG="iotopmode" Configure Network Category to be Searched under LTE RAT](#)
  - [1.6 AT+QCFG="roamservice" Roam Service Configuration](#)
  - [1.7 AT+QCFG="band" Band Configuration](#)
  - [1.8 AT+QCFG="celevel" Get LTE Cat NB1 Coverage Enhancement Level](#)
  - [1.9 AT+QCFG="servicedomain" Service Domain Configuration](#)
  - [1.10 AT+QCFG="nb1/bandprior" Configure Band Scan Priority under LTE Cat NB1](#)
  - [1.11 AT+QCFG="psm/urc" Enable/Disable PSM Entering Indication](#)
  - [1.12 AT+QCFG="sgsn" UE SGSN Release Version Configuration](#)
  - [1.13 AT+QCFG="msc" UE MSC Release Version Configuration](#)
  - [1.14 AT+QCFG="PDP/duplicatechk" Establish Multi PDNs with the Same APN](#)
  - [1.15 AT+QCFG="ledmode" Configure NETLIGHT Output Mode](#)
  - [1.16 AT+QCFG="ims" IMS Function Control](#)
  - [1.17 AT+QCFG="urc/ri/ring" RI Behavior When RING URC is Presented](#)
  - [1.18 AT+QCFG="urc/ri/smsincoming" RI Behavior When Incoming SMSURCs are Presented](#)
  - [1.19 AT+QCFG="urc/ri/other" RI Behavior When Other URCs are Presented](#)
  - [1.20 AT+QCFG="risignalttype" RI Signal Output Carrier](#)
  - [1.21 AT+QCFG="urc/delay" Delay URC Indication](#)
  - [1.22 AT+QCFG="cmux/urcport" Configure URC Output Port for CMUX](#)
  - [1.23 AT+QCFG="apready" Configure AP\\_READY Pin](#)
  - [1.24 AT+QCFG="psm/enter" Trigger Module into PSM Immediately](#)
  - [1.25 AT+QCFG="apready" AT+QCFG="rrcabort" Abort RRC Connection](#)
  - [1.26 AT+QCFG="apready" AT+QCFG="nccconf" Configure Features of NB-IoT](#)
  - [1.27 AT+QINDCFG URC Indication Configuration](#)

## Status Control Commands

### [AT+CPAS Mobile Equipment Activity Status](#)

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The Execution Command queries the module's activity status.

## [AT+QCFG Extended Configuration Settings](#)

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The command is used to query and configure various settings of UE.

### [AT+QCFG="nwscanseq" Configure RAT Searching Sequence](#)

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The command specifies the searching sequence of RATs. If **<effect>** is omitted, the configuration will take effect immediately.

### [AT+QCFG="nwscanmode" Configure RAT\(s\) to be Searched](#)

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The command specifies the RAT(s) allowed to be searched. If **<effect>** is omitted, the configuration will take effect immediately.

### [AT+QCFG="iotopmode" Configure Network Category to be Searched under LTE RAT](#)

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The command specifies the network category to be searched under LTE RAT. If **<effect>** is omitted, the configuration will take effect immediately.

### [AT+QCFG="roamservice" Roam Service Configuration](#)

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The command is used to enable or disable the roam service. If **<effect>** is omitted, the configuration will take effect immediately.

### [AT+QCFG="band" Band Configuration](#)

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The command specifies the preferred frequency bands to be searched of UE. If **<effect>** is omitted, the configuration will take effect immediately.

### [AT+QCFG="celevel" Get LTE Cat NB1 Coverage Enhancement Level](#)

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### [AT+QCFG="servicedomain" Service Domain Configuration](#)

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The command specifies the registered service domain. If **<effect>** is omitted, the configuration will

take effect immediately.

### **AT+QCFG="nb1/bandprior" Configure Band Scan Priority under LTE Cat NB1**

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The command specifies the band to be scanned with priority under LTE Cat NB1 RAT. This configuration is valid only after the module is restarted

### **AT+QCFG="psm/urc" Enable/Disable PSM Entering Indication**

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The command is used to enable or disable the output of URC **+QPSMTIMER:**

**<tau\_timer>,<T3324\_timer>** which is used to indicate the TAU duration and Active time duration for the module's PSM.

When PSM function is enabled and RRC connection release is received, the active timer (T3324) will be started, and the indication URC will be reported.

### **AT+QCFG="sgsn" UE SGSN Release Version Configuration**

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The command specifies the UE SGSN release version. This configuration is valid only after the module is restarted.

### **AT+QCFG="msc" UE MSC Release Version Configuration**

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The command specifies the UE MSC release version. This configuration is valid only after the module is restarted.

### **AT+QCFG="PDP/duplicatechk" Establish Multi PDNs with the Same APN**

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The command allows/refuses establishing multi PDNs with the same APN profile. The configuration will take effect immediately.

### **AT+QCFG="ledmode" Configure NETLIGHT Output Mode**

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This command is used to configure the output mode of NETLIGHT pin.

### **AT+QCFG="ims" IMS Function Control**

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The command is used to enable or disable IMS function. It also enables the NV about IMS to be set

by the configuration of the MBN file when <value> is set to be 0.

### **AT+QCFG="urc/ri/ring" RI Behavior When RING URC is Presented**

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**AT+QCFG="urc/ri/ring"**, **AT+QCFG="urc/ri/smsincoming"** and **AT+QCFG="urc/ri/other"** control the RI (ring indicator) behavior when a URC is reported. These configurations will be stored into NV automatically. The ring indicator is active low. **AT+QCFG="urc/ri/ring"** specifies the RI behavior when URC **RING** is presented to indicate an incoming call.

The sum of parameter <**activeduration**> and <**inactiveduration**> determines the interval time of "RING" indications when a call is coming.

### **AT+QCFG="urc/ri/smsincoming" RI Behavior When Incoming SMSURCs are Presented**

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The command specifies the RI (ring indicator) behavior when related incoming message URCs are presented. Related incoming message URCs list: **+CMTI**, **+CMT**, **+CDS** and **+CBM**.

### **AT+QCFG="urc/ri/other" RI Behavior When Other URCs are Presented**

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The command specifies the RI (ring indicator) behavior when other URCs are presented.

### **AT+QCFG="risignaltype" RI Signal Output Carrier**

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The command specifies the RI (ring indicator) signal output carrier.

### **AT+QCFG="urc/delay" Delay URC Indication**

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The command can delay the output of URC indication until ring indicator pulse ends.

### **AT+QCFG="cmux/urcport" Configure URC Output Port for CMUX**

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The command can select the URC output port for CMUX.

### **AT+QCFG="apready" Configure AP\_READY Pin**

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The command is used to configure the AP\_READY pin behavior.

## **AT+QCFG="psm/enter" Trigger Module into PSM Immediately**

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The command is used to trigger the module enter into PSM mode immediately after the RRC released. When this function is enabled and RRC connection release is received, the module will skip active timer (T3324) and enter into PSM mode immediately.

## **AT+QCFG="apready" AT+QCFG="rrcabort" Abort RRC Connection**

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The command is used to abort RRC connection.

## **AT+QCFG="apready" AT+QCFG="nccconf" Configure Features of NB-IoT**

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The command is used to configure features of NB-IoT.

## **AT+QINDCFG URC Indication Configuration**

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The command is used to control URC indication.