# MAC commands

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| --- | --- | --- |
| **Command** | **Description** | **Parameters** |
| Mac reset <band> | Resets to a specific frequency band | band = 869 or 433 |
| Mac tx <type> <portno> <data> | Sends the data string on a specified port number and sets default values for the most LoRaWAN params | Type = cnf or uncnf  Portno = 1-223  Data = hex value |
| Mac join <mode> | Join the configured network | Mode = otaa or abp |
| Mac forceENABLE | Disables the Silent Immediately state | / |
| Mac pause | Pauses LoRaWAN stack functionality to allow radio configuration. BEFORE radio commands | / |
| Mac resume | Restores LoRaWAN stack functionality. AFTER radio commands | / |
| Mac set <set\_command> <value> | Accesses and modifies specific MAC related parameters. | See Figure 1: Set commands |
| Mac get <get\_command> <value> | Reads back current MAC related parameters from the module. | See Figure 2: Get commands |
| Mac save | Saves LoRaWAN Class A configuration parameters to the user EEPROM. must be issued after configuration parameters have been  appropriately entered from the set commands. When sys reset then these saved values are initialized. | / |

**Set commands MAC**

Afbeelding met tafel

Automatisch gegenereerde beschrijving

Figure 1: Set commands mac

**Get commands**

Afbeelding met tafel

Automatisch gegenereerde beschrijving

Figure : Get commands mac

# Radio Commands

|  |  |  |
| --- | --- | --- |
| **Command** | **Description** | **Parameters** |
| Radio rx <rxWindowSize> | configures the radio to receive simple radio packets according to prior configuration settings | rxWindowSize = 0 to 65535 |
| Radio tx <data> | configures a simple radio packet transmission according to  prior configuration settings. | Data = hex value 0 to 255 |
| Radio cw <state> | put the module into a Continuous Wave (cw)  Transmission for system tuning or certification use | State = on or off |
| Radio set <set\_command> <value> | allows modification to the radio setting directly. This command allows for the user to change the method of radio operation within  module type band limits | See Figure 3: Set commands radio |
| Radio get <get\_command> <value> | grants the ability to read out radio settings as they are currently configured | See Figure 4: Get commands radio |

**Set commands radio**

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Figure : Set commands radio

**Get commands radio**

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Automatisch gegenereerde beschrijving**

Figure : Get commands radio