

Annex 1 : command list

| command | Parameter (if applicable) | Value format | Valid for.. | | comment |
|------------------|------------------------------|---------------------|-------------|--------|---|
| | | | master | client | |
| radio | on | - | X | X | Activate the radio link |
| | off | - | X | X | Deactivate the radio link |
| TX_test | - | seconds | X | X | Radio must be off. 1 parameter "duration" in "seconds". |
| display | config | - | X | X | Displays the current configuration |
| | DHCP_ARP | - | X | X | Displays the DHCP or ARP local entries (machines wired locally via Ethernet) |
| status | - | - | X | X | Displays status for RF link and data traffic (2) |
| who | - | - | X | X | Displays which station (callsign) is connected to the network, with their IP addresses allocations. (2) |
| set | callsign | text | X | X | Warning : each modem must have its own callsign. 13 char maxi. No 'space' char, use ' ' instead |
| | is_master | yes / no | X | X | Yes : set to master mode No : set to client mode |
| | master_FDD | no / up / down | X | | No: standard Master Up/down : refer to FDD paragraph |
| | Eth_mode | Integer | X | X | Value from 0 to 7, refer to dedicated § |
| | modem_IP | IP value | X | (1) | (1) For client : temporary value |
| | netmask | IP value | X | (1) | (1) For client : temporary value |
| | telnet_active | yes / no | X | X | |
| | DNS_active | yes / no | X | | |
| | DNS_value | IP value | X | | |
| | def_route_active | yes / no | X | | |
| | def_route_val | IP value | X | | |
| | IP_begin | IP value | X | (1) | (1) For client : temporary value |
| | master_IP_size | Integer | X | | |
| | client_req_size | Integer | | X | |
| | master_IP_down | IP value | X | | Only relevant for Master FDD uplink. IP of the Master downlink modem. |
| | DHCP_active | yes / no | | X | Only impacts a client. |
| | radio_on_at_start | yes / no | X | X | |
| | frequency | Refer to comment | X | X | Decimal value in MHz. Range 420 to 450. Dot for decimal. In FDD mode, it is the downlink freq. |
| | freq_shift | Refer to comment | X | X | Decimal value in MHz. Uplink_freq – Downlink_freq Refer to "FDD mode" paragraph. Same setting for Master & Client. |
| | RF_power | Integer | X | X | From 0 to 127. Warning, not linear. Refer to 'annex 3'. |
| | modulation | Refer to comment | X | X | 9 possible values : [11 to 14] or [20 to 24]. Refer to 'annex 2'. |
| | radio_netw_ID | Refer to comment | X | X | Radio network ID. From 0 to 15 (equivalent of CTCSS) |
| save | - | - | X | X | Save the current configuration to EEPROM. |
| reboot | - | X | X | X | Reboot the whole board. |
| reset_to_default | - | - | X | X | Erase current config from EEPROM. |
| version | - | - | X | X | Displays the firmware version |
| exit | - | - | X | X | Exit from telnet session. (not valid for serial) |

(1) For client: temporary value before radio connection to master

(2) Maintains the modem in a mode with auto refresh of the display (every 2 sec). Press [Ctrl + c] in order to exit.