

- Local echo - on
- CR+LF
- Komunikační rychlost 57600 baud
- 8bit, bez paritního bitu, 1 stop bit



**MICROCHIP**

# Nejdůležitější příkazy



## Inicializace pro připojení

- **mac get deveui** \r\n
- vrací 64bit číslo - 12345678**12345678**
- **mac set devaddr** **12345678** \r\n
- **mac set appskey**  
0123456789ABCDEF0123456789ABCDEF \r\n
- **mac set nwkskey**  
0123456789ABCDEF0123456789ABCDEF \r\n
- **mac save** \r\n

Na dalších slajdech bude \r\n vynechané

- **mac set dr [0..7]**
- 0 ... minimální rychlost
- 7 ... maximální
- **mac set adr [on/off]**
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- **mac save**
- pro zapamatování po signálu /RST nebo výpadku napájení

- **mac join abp**
- **mac tx uncnf [fport/portno] [data hexa]**
- **mac tx cnf [fport/portno] [data hexa]**

- **ok** – if parameters and configurations are valid and the packet was forwarded to the radio transceiver for transmission
- **invalid\_param** – if parameters (<type> <portno> <data>) are not valid
- **not\_joined** – if the network is not joined
- **no\_free\_ch** – if all channels are busy
- **silent** – if the module is in a Silent Immediately state
- **frame\_counter\_err\_rejoin\_needed** – if the frame counter rolled over
- **busy** – if MAC state is not in an Idle state
- **mac\_paused** – if MAC was paused and not resumed back
- **invalid\_data\_len** - if application payload length is greater than the maximum application payload length corresponding to the current data rate

- **mac\_tx\_ok** - if uplink transmission was successful and no downlink data was received back from the server
- **mac\_rx <portno> <data>** - if transmission was successful, <portno>: port number, from 1 to 223; <data>: hexadecimal value that was received from the server
- **mac\_err** - if transmission was unsuccessful, ACK not received back from the server
- **invalid\_data\_len** - if application payload length is greater than the maximum application payload length corresponding to the current data rate