

11th July 2018 – by Adam Ellis**Outline:**

The Mi3 COMM box platform supports numbering, removing and checking connected and disconnected Mi3 sensing heads using ASCII commands by USB or Ethernet Connection

Commands available:

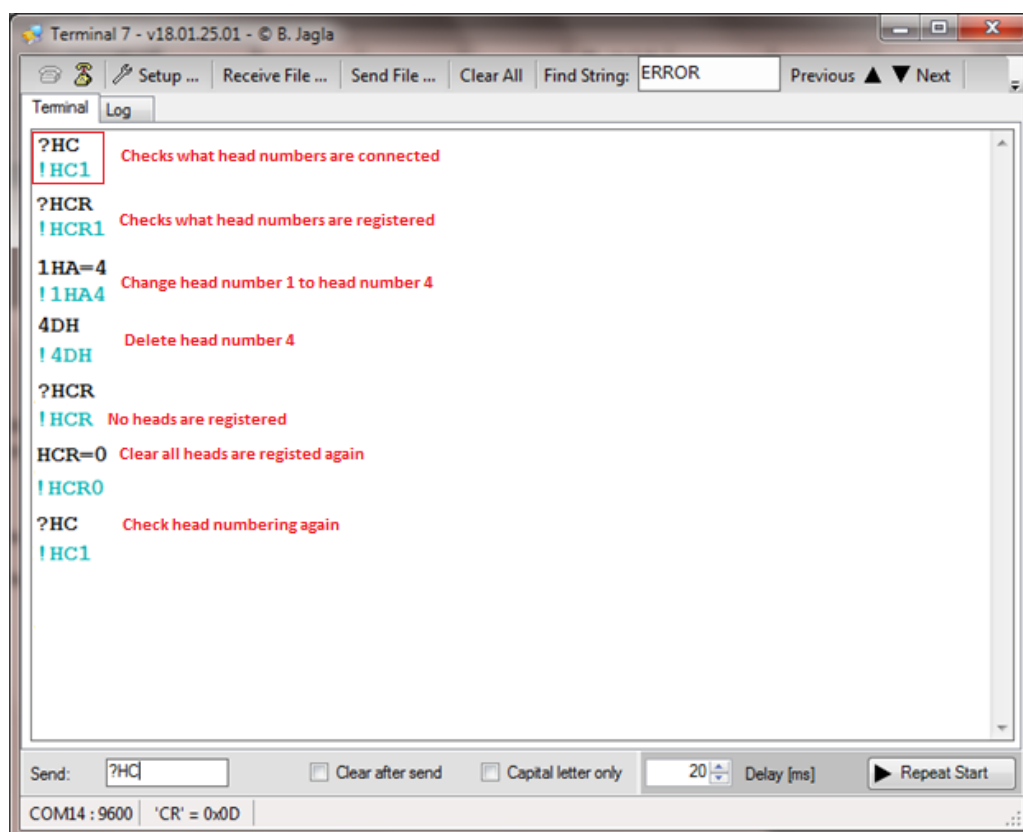
DH = Delete Sensor (removes the registration from the assigned head number slot)

HA = Head Address (allows the head address to be changed to a free head number slot)

HC = Connected Heads

HCR = Registered Heads

Examples:



The screenshot shows a terminal window titled "Terminal 7 - v18.01.25.01 - © B. Jagla". The window contains a list of commands and their corresponding responses. The commands are color-coded: blue for queries, red for actions, and green for status checks. The responses are in red text. The commands and responses are as follows:

- `?HC` (blue) → `!HC1` (red) → Checks what head numbers are connected
- `?HCR` (blue) → `!HCR1` (red) → Checks what head numbers are registered
- `1HA=4` (blue) → `!1HA4` (red) → Change head number 1 to head number 4
- `4DH` (blue) → `!4DH` (red) → Delete head number 4
- `?HCR` (blue) → `!HCR` (red) → No heads are registered
- `HCR=0` (blue) → `!HCR0` (red) → Clear all heads are registered again
- `?HC` (blue) → `!HC1` (red) → Check head numbering again

The terminal window also has a "Send" field at the bottom with the text "?HC" and a "Repeat Start" button. The status bar at the bottom shows "COM14 : 9600" and "'CR' = 0x0D".

In case of replacing a given head, ensure to use the **DH** command after removing the old head and before replacing the new head. Double check using the **?HCR** command. In case you have not deleted the head number before replacement, use *n*"old number"**HA=n**"new number" to change the head number after using the DH command.