

## Node Adapter RS232C Command list V00.00

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| Operation                        | Command Type      | Command | Subcommand | Data   | Data Length |
|----------------------------------|-------------------|---------|------------|--|-------------|
| D-Star Header FLAG (RX) Read out | Read out          | 1D      | 00         | 00   | 1           |
|                                  | Ack<br>Transceive | 1D      | 00         | flag0 flag1 flag2  | 3           |
| My Callsign Read out             | Read out          | 1D      | 01         |  | 0           |
|                                  | Ack               | 1D      | 01         | ASCII (41bytes)<br>41 characters (include CRC)   | 41          |
| My Callsign Read out             | Read out          | 1D      | 03         |  | 0           |
|                                  | Ack<br>Transceive | 1D      | 03         | ASCII (8bytes)<br>8 characters   | 8           |
| My Callsign Setting              | Set               | 1D      | 03         | ASCII (8bytes)   | 8           |
| My Callsign Read out             | Read out          | 1D      | 04         | 8 characters   | 0           |
|                                  | Ack<br>Transceive | 1D      | 04         | ASCII (32bytes)<br>RPT2(8) + RPT1(8) + Called(8) + Caller(8)<br>( ) indicates no. of bytes | 8           |
| My Callsign "/" Read out         | Read out          | 1D      | DC         |  | 0           |
|                                  | Ack<br>Transceive | 1D      | DC         | ASCII (4bytes)<br>Reads out the 4 characters after the '/' of<br>YOUR callsign             | 4           |
| My Callsign "/" Setting          | Set               | 1D      | DC         | ASCII (4bytes)<br>Set the 4 characters after the '/' of<br>YOUR callsign                   | 4           |
| DV Stream Setting                | Read out          | 20      | 00         | ASC(((12bytes)   | 12          |
| DV Stream Transceive             | Transceive        | 20      | 00         | ASCII (12bytes)  | 12          |
| PTT ON Setting                   | Set               | 20      | 01         | 01 on 00 off   | 1           |
| PTT ON Read out                  | Read out          | 20      | 01         |  | 0           |
|                                  | Ack               | 20      | 01         | 01 on 00 off   | 1           |
| Delay time Setting               | Set               | 20      | 03         | Binary(1byte)  | 1           |
| Delay time Read out              | Read out          | 20      | 03         |  | 0           |
|                                  | Ack               | 20      | 30         | Binary(1byte)  | 1           |
| Timeout Setting                  | Set               | 20      | 04         | Binary(1byte)  | 1           |
| Timeout Read out                 | Read out          | 20      | 04         |  | 0           |
|                                  | Ack               | 20      | 04         | Binary(1byte)  | 1           |

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|-----------------------------|--------------|---------|------------|----------------|-------------|
| KeepAlive time Setting      | Set          | 20      | 05         | Binary(1byte)  | 1           |
| KeepAlive time Read out     | Read out     | 20      | 05         |                | 0           |
|                             | Ack          | 20      | 05         | Binary(1byte)  | 1           |
| SN Squelch value Setting    | Set          | 20      | 08         | Binary(2bytes) | 2           |
| SN Squelch value Read out   | Read out     | 20      | 08         |                | 0           |
|                             | Ack          | 20      | 08         | Binary(2bytes) | 2           |
| Jitter buffer size Setting  | Set          | 20      | 09         | Binary(1byte)  | 1           |
| Jitter buffer size Read out | Read out     | 20      | 09         |                | 0           |
|                             | Ack          | 20      | 09         | Binary(1byte)  | 1           |
| CRC check Setting           | Set          | 20      | 0A         | 01 on 00 off   | 1           |
| CRC check Read out          | Read out     | 20      | 0A         |                | 0           |
|                             | Ack          | 20      | 0A         | 01 on 00 off   | 1           |
| LastFrame check Setting     | Set          | 20      | 0B         | 01 on 00 off   | 1           |
| LastFrame check Read out    | Read out     | 20      | 0B         |                | 0           |
|                             | Ack          | 20      | 0B         | 01 on 00 off   | 1           |
| COS check Setting           | Set          | 20      | 0C         | 01 on 00 off   | 1           |
| COS check Read out          | Read out     | 20      | 0C         |                | 0           |
|                             | Ack          | 20      | 0C         | 01 on 00 off   | 1           |
| Auto RX polarity Setting    | Set          | 20      | 0D         | 01 on 00 off   | 1           |
| Auto RX polarity Read out   | Read out     | 20      | 0D         |                | 0           |
|                             | Ack          | 20      | 0D         | 01 on 00 off   | 1           |
| RX Invert Setting           | Set          | 20      | 0E         | 01 on 00 off   | 1           |
| RX Invert Read out          | Read out     | 20      | 0E         |                | 0           |
|                             | Ack          | 20      | 0E         | 01 on 00 off   | 1           |
| TX Invert Setting           | Set          | 20      | 0F         | 01 on 00 off   | 1           |
| TX Invert Read out          | Read out     | 20      | 0F         |                | 0           |
|                             | Ack          | 20      | 0F         | 01 on 00 off   | 1           |

Command format is same as ID-1's command. (See ID-1 Control Command Specifications)