

ALE Firmware Change-Log

for

SCS DR-7X00 Modems

V 2.45.00 – 04/11/2024

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2.40.00 [09/03/2021]

First release.

2.40.01_beta [09/04/2021]

New command

ALE SOUNDORDER 0/1

defines the direction of channel selection when sounding.

0 = from top to bottom.

1 = from bottom to top.

2.40.02_beta [09/08/2021]

Barrett support built in.

New command

TRX TY B <baudrate>

2.40.03_beta [09/08/2021]

Codan support built in.

New commands:

TRX TY C <baudrate>

TRX CType 0/1

0: Envoy series

1: NGT

2.40.04_beta [09/12/2021]

New parameter value added.

TRX KTYPE 4

Built-in for Kenwood TS-590. Enables QS / S.

2.40.06_beta [09/14/2021]

New command

ALE AATU 0/1 (default 0)

activates / deactivates the 600 ms long tuning preamble globally. If activated, the preamble is always inserted when the first transmission on a “new” (selected by the modem) channel is started.

This tuning preamble can also be activated using the channel-dependent AATU parameter (**ALE CH X A 1**, X = channel number, e. g. **ALE CH 5 A 1**).

2.40.09_beta [09/15/2021]

New command

ALE CH X O SA

X = channel number

SA = index in own list that defines the self-address for the channel

Examples:

cmd: ale ch 0 o 0

*** ALE: CH0 Self-Address: DL1WAA

cmd: ale ch 0 o 1

*** ALE: ERROR: Invalid Self-Address!

2.40.10_beta [09/15/2021]

New command

ALE PTTIN 0/1

Allows to define the function of the PTT-IN pin during ALE MODE 1 (i. e. active ALE) operation.

0: PTTIN only resets the TWA timer.

1: PTTIN triggers audio pass-through and resets the TWA timer.

(See SCS standard manual / update information for general information on the audio pass-through function:

https://www.p4dragon.com/download/Update_Info_DR7X00_Version_2_10_English.pdf

Section 2.2.)

Audio pass-through is only activated if the ALE controller is currently not scanning!

2.40.13_beta [10/11/2021]

%A0 JSON message extended with "COUNT": entry.

```
{
  "TYPE": "OTHER",
  "COUNT": 4,
  "O 0": "DL6MAA",
  "O 1": "DL3FCJ",
  "O 2": "DL2FAK",
  "O 3": "DL0WAA"
}
```

This JSON message is now always output in full length if the dynamic other calls list changes. Note: This JSON message can be relatively long (max. 100 addresses!). It must be expected with more than 10 callsigns that the message is distributed over several link status messages!

2.40.16_beta [11/06/2021]

New command

ALE CH X I 0/1

(example: ALE CH 0 I 1) allows to "inhibit" own soundings on individual channels. In the channel list ("ACTIVE" column), the entry "NOSND" appears instead of "YES" or "NO" if the I parameter for this channel is set to "1". The default setting is 0.

2.40.17_beta [11/12/2021]

A hashtag sign # as the first character in a command line is now completely ignored by the command interpreter and thus allows comment lines in the config files that are sent to the modem in cmd: mode.

2.40.18_beta [11/12/2021]

Fixed problem with AES connection in PACTOR-3 connections.

2.40.21_beta [11/24/2021]

New command

ALE SPEAKER 0 ... 100

built in.

Default setting: 40

Supports automatic receiver audio volume switching during ALE operation if ALE AUTOMUTE (see below) is set to the value 1. In that case, the "loud speaker" of the transceiver is always switched off when scanning, whereas in non-scan mode the volume is set to be proportional to the parameter value 0...100. As soon as an ALE link is established, the speaker is activated and set to the specified volume level. If the link is terminated and scanning will be resumed, the speaker goes to mute state again.

2.40.24_beta [01/11/2022]

AES-256 key no longer shown in the AESKEY command response string

(cmd: AESKEY command).

```
cmd: aeskey test
```

```
NEW AES256 KEY STORED
```

```
cmd:
```

2.40.26_beta [01/17/2022]

New command

ALE AUTOMUTE 0/1

Default setting: 0

Switches on/off automatic speaker volume control during ALE scanning (see related command ALE SPEAKER above).

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