

RCS NexGen and Prophet settings for DEVA Audio Processors RDS Console

RCS NexGen is software fully compatible with several devices from DEVA's Audio Processors product line:

- DB6400 FM & Digital Radio 4-Band Processor;
- DB64-FM Budget 4-Band FM Radio Processor;
- DB6000-STC Stereo and RDS Generator.

1. Set-up for the DEVA Audio Processor

1.1 Open the device's WEB Interface, then go to Dynamic RDS > section Dynamic PS.

1.2. DPS setup - Allow the usage of dynamic PS by setting Scroll Speed to a non zero value using WEB interface or the ASCII command DPSS.

Example:

DPSS=5

| DB6400 - Adv | vanced FM and Digita | l Radio 4-Band Pr | ocessor | | | | DEVA BROADCAST |
|--|---|---|---|---------------------------------|---|--|-------------------------------|
| IN: FALLBACK: IP Str | ream - BG Radio Live Str Acti | ve preset: F1:AC | | TRIG: 12345 | 0678 16 No 07:0 | v 2016 Session: 16:58 58:49 | Logout |
| Input, dBFS -5.2 -4.7 : -10- 20- 30- 50- L R | AGC Multiband AGC 12.3 19.1 16.8 13.3 5 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 | dB Multiband Li 12.0 5.4 4.2 0. - 5 - - - - 15 - - - - 20 - - - - 20 - - - - 20 - - - - 20 - - - - 25 - - - - 20 - - - - 20 - - - - 20 - - - - 30 B L M | initer, dB ST Limiter 0 3.1 0.0 0 - - 4 - 20 - - 12 - 40 - - 12 - 60 - - 20 - 80 M - - 40 - | Limiters, dB 6.2 7.4 4.6 | Output, dBFS -0.1 -0.0 9 -10 - -20 - -30 - -30 - -50 - L R | Modulation 88.7 6.5 -80.7 -12 -80.7 -8 -60 -4 -40 -0 -20 -4 -8 -4 -80 -8 -80 -4 -80 -8 | Operate Bypass Status |
| DPS Text: | DB6400 Digital Audio Processor | PTYN PTYN: DBG | PTYN PTYN: DB6400 DTAN Fashia Disblad | RDS Console Server: Enabled | ole Enabled | Disabled | Settings Presets |
| Scroll Speed: Parse Mode: | 0 - DPS Disabled DPS Disabled Slowert | | Enabled | TCP Port: Password: | 2233 | | Input AGC |
| Radio Text 2 3 | Slowest | Date & Time | | | | | EQ Enhancer |
| KT Speed: 5 | | | | | | | Multiband 1 |
| 7 8 9 - | - Fastest | | | | | | Multiband 2 Final Limiter |
| | | | | | | | МРХ |
| | | | | | | | Basic RDS |
| | | | | | | CTUT | Output |
| | | | | | | Save | Couput |





1.3 Determine the appropriate mode of displaying of the dynamic PS text using WEB interface or the ASCII command PARSE. When PARSE is set to 0 (words centered) or 9 (words justified to the left), parsing will send the short words together. Long words (up to and including 8 characters) are sent individually/separately. Words exceeding 8 characters are "sidestepped" through two or more consecutive displays. When PARSE is set between 1 and 8, the message is scrolled from 1 to 8 characters at a time without dividing into word groups.

Example:

PARSE=0

| DB6400 - / | Advanced FM and Dig | ital Radio 4-Band Process | or | | | | BROADCAST |
|---|--|---|--|----------------------------------|---|------------------------------------|----------------------------|
| IN: FALLBACK: I | P Stream - BG Radio Live Str | Active preset: F1:AC | 1 | TRIG: 12345 |)678 ¹⁶ | Nov 2016 Session: 7:07:34 58:13 | Logout |
| Input, dBFS -5.2 -4.7 -10 - -20 - -30 - -50 - R | AGC Multiband (11.8 15.2 16.8 1 - 5 - 10 - 5 - 20 - 25 - 25 dB - 30 - 15 - 6 - 15 - 15 - 16.8 1 15 - 16.8 1 | AGC, dB 3.7 12.7 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 | ST Limiter 0.0 7. 0 -0 7. 0 -20 -40 12 -60 -80 24 -100 H | Limiters, dB .4 8.1 4.7 | Output, dBFS -0.2 0.1 -10 - -20 - -30 - -50 - L R | | Operate Bypass Status |
| DPS Text: | DB6400 Digital Audio Processor | PTYN PTYN: DB6400 PTYN Enable: Enabled | Disabled | RDS Conso Server: Timeout: | Enabled | Disabled | Settings Presets |
| Scroll Speed: Parse Mode: | 0 - DPS Disabled 9 - Left Justified | | | TCP Port: Password: | 2233 | | Input AGC |
| RT Speed: | 0 - Centered 1 - Scroll by 1 letter 2 - Scroll by 2 letters 3 - Scroll by 3 letters | CT Enable: Enabled | Disabled | | | | EQ Enhancer |
| | 4 - Scroll by 4 letters 5 - Scroll by 5 letters 6 - Scroll by 6 letters | | | | | | Multiband 1 Multiband 2 |
| | 7 - Scroll by 7 letters 8 - Scroll by 8 letters 9 - Left Justiffied | | | | | | Final Limiter MPX |
| | | | | | | | Basic RDS |
| | | | | | | Save | Output |

1.4 In section RDS Console:

- Server [Enable] the RDS console remote access;
- *Timeout* specify session timeout. Upon expiration of the time set the connection will be closed;
- *TCP Port* enter the TCP port of the RDS console. This console is used to edit RDS settings in real time. Default value is 2233;
- Password Password identification support depends on the software. If your software
 does not support this feature, the field must be left blank. For further information on
 whether a password should be set, please refer to the complete user manual of the
 Automation Software, or the provider.

WHEN APPLYING NEW SETTINGS - In order new settings to take effect, it is necessary to press the [Save] button.





2. NexGen software

| Common Settings | | Standard | Format Settings | | | |
|---|--|-------------------------|-----------------|--------|-------------------|---|
| Active 🔽 | Change Export Name | | Lead Text | | Output Field | |
| Format | Output | Line 1 | DPS= | 6 | Title | |
| 2 Standard 👻 | TCP-IP - | Line 2 | TEXT= | | Artist | |
| Types to Export | | Line 3 | | | (NONE) | |
| | | Line 4 | | | (NONE) | |
| Spots Beds | Phone Calls | Line 5 | | | (NONE) | |
| Promos 🗖 Bits | Time Announce | Line 6 | | | (NONE) | |
| Segues Effects | Temp Announce | Line 7 | , | | (NONE) | |
| Fill Shows I Memos | Export Memos | Line 8 | , | | | |
| | | Line 9 | | | | _ |
| Other Options | | L' 10 | | | | _ |
| ☐ Spot Range Pre-Notify Time 0 Export Delay 0 Alternate Output ☐ Coming Next ☑ Truncate millisecon ③ ☑ Remove Header ☐ Enforce Classical Ficategory on Songs | milliseconds milliseconds ds from Length elds for Classical | Field / Ro Field Sep | ettings | * Reco | d Separator CR/LF | |

As depicted in the screenshot below, the following settings should be applied:

- 1. Make sure that you have installed the latest version of the NexGen software;
- 2. Then go to the Export Format(s) page and select "Standard" for Format and "TCP-IP" for Output;
- 3. Check the "Remove Header" box down in the lower left hand corner of the window;
- 4. In the lower right, enter the port number and IP address of the DEVA Audio Processor. (Usually the port number is 2233);





5. In the Standard Format Settings area on Line 1, enter the Lead Text;

DPS= if you want the artist and song information to go to the PS field.

or

TEXT= if you only want it to go to the Radio Text field.

or

DPSTEXT= if you want the information to go to both PS and RT fields.

- 6. Select Title from the Output Field;
- 7. On Line 2, leave the Lead Text blank but then select Artist from the Output Field;
- 8. In the Field / Record Separators section, select Other Space from the Field Separator and for the Record Separator, select CR/LF;
- 9. Finally, click OK and restart NexGen.

