



ENCO settings for SmartGen RDS Encoders

ENCO automation software is fully compatible with the following devices from DEVA RDS/ RBDS product range:

- SmartGen Mini UECP Compatible, Compact RDS/RBDS Encoder with LAN & USB Connectivity;
- SmartGen 4.1 UECP Compatible RDS/RBDS Encoder with LAN & USB Connectivity;
- SmartGen 5.0 Professional Dynamic RDS/RBDS Encoder, RS- 232, USB & TCP-IP Ports, UECP Compatible;
- SmartGen 6.0 Professional Dynamic RDS/RBDS Encoder, RS- 232, USB & TCP-IP Ports, UECP Compatible.

Prior the configuring procedure, check SmartGen's current firmware version. If the utilized revision is former to 2.7, an update is required. The latest version can be found on www.devabroadcast.com/downloads

In order for the Simian software to communicate with SmartGen over a network, the settings described in the following pages need to be applied.



SMARTGEN ENCODER

To ensure the settings to be correctly applied, the latest version of DEVA's SmartGen RDS/RBDS Encoders Manager has to be used. The most recent version can be found on www.devabroadcast.com/downloads

1. Click to allow the use of dynamic PS via the SmartGen Encoders Manager (as depicted in the screenshot), the WEB Interface or the ASCII command DPSON=1;

SmartGen 6.0\06E7001D	
Hardware Basic RDS Advanced RDS Data Sets ODA Console	
PI FFFF CALL RDS 11 - Rock Music V RBDS 11 - Oldies V MUSIC V	OFF Timeout 1 min.
PS O Default PS Default PS DEfault PS Timeout 0 min. PTYN DI SMARTGEN No Artificial Head V	Not Compressed Dynamic PTY
RT Remove trailing SmartGen 6.0 - Dynamic RDS/RBDS Encoder - WWW.DEVABROADCAST.COM	AF List Image: Constraint of the second
Dynamic PS ON Parse 1char Speed For the second seco	
Default Dynamic PS	Add AF 🗊 Clear
Backup Encoder SmartGen 6.0 - [TCP] demo.devabroadcast.com:5160 Restore Encoder SmartGen 6.0 - [TCP] demo.devabroadcast.com:5160	▼
06E7001D FW:02.11 Connected	

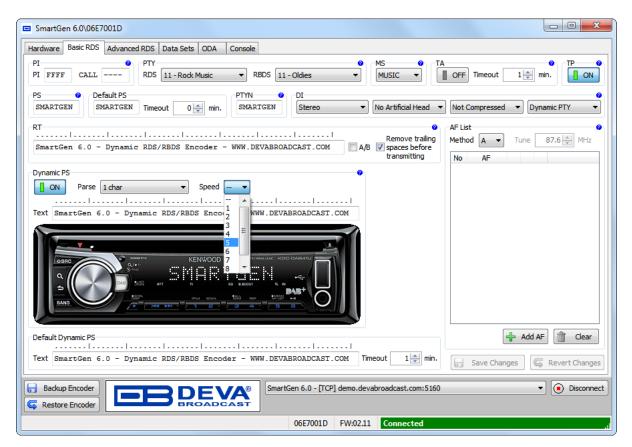
2. Determine the appropriate mode of display of the dynamic PS text via the SmartGen Encoders Manager, the WEB interface or the ASCII command **PARSE**. When **PARSE** is set to 0 (words centered) or 9 (words justified to the left), parsing will send the short words together. Long words (up to and including 8 characters) are sent individually/separately. Words exceeding 8 characters are "sidestepped" in 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



3. Set the speed of the dynamic PS to which it will be translated (scrolled). The speed depends on the ratio between the transmitted RDS 0A groups and other groups. For firmware version 2.7 and higher and software version 0.1.2.94 and higher, "Dynamic PS Speed" (DPSS) could be set. This function is accessible via the SmartGen Encoders Manager (as depicted in the screen shot), the WEB Interface or the ASCII command **DPSS**.

Example: DPSS=5



WARNING: The current Group Sequence will be obliterated (lost) and replaced with a new one, containing 0A and 2A groups only.



ENCO SOFTWARE

1. Start the **PADapult** and enter your station's data;

Sa PADapult - (c)ENCO Systems 2005-2015 - v15.0b.142	
ENCO	Auto Inputs
Catapult Your Data Out There	Destinations
Title London Calling	Enabled Connected
Artist The Clash	
Album	
Genre Group 1980S Length 196.80	
Station Data	
ID Curry College Radio WMLN 91.5	
Slogan WMLN 91.5	
Comment	
Input: File Scan PADapult My Data Format: DAD XML PADapult My Data	
^	
	Scheduled Messages
T verbose	



2. Click on one of the available purple buttons in section **Destinations**. The following window will appear:

PADapult Output Configuration for "DEVA RDS Encoder"			
Destination Info			
TCP/IP Socket Port Bytes Sent Serial Port Format (e,g., 2400,N,8,1) Bytes 10 . 109 . 43 . 20 1025 147 5 9600,N,8,1 Bytes Close IP Socket after each Send	o Sent		
UDP Datagram HDR HDP/PSD Pre V4 Importer Port Bytes Sent 10 109 43 20 5001 0 Multiple Receivers Receiver List iHeart Radic	3houiCast		
Image: tell tell tell tell tell tell tell te	into the I unless		
Default Output Format Template for IP Socket DPS=[TITLE] [ARTIST] [13] ex: [TITLE] by [ARTIST] playing now on [STATIONID] Output Delay Image: Proce UPPERCASE XML Btyle; Image: Proce UPPERCASE	XML		
ACCEPT Destination Name: DEVARDS Encc Process Scheduled Messages Reset Bytes Sent Initialize I/O on Accept	CANCEL		

3. Enable the **TCP/IP Socket** and specify the **IP** and **Port** of the SmartGen encoder (as depicted above);

4. Then go to **Default Output Format Template for IP Socket** section. To send the data to the PS field of the encoder, write the following command DPS = [TITLE] [ARTIST] [13]. Where [13] is command meaning enter.

"DPS =" is ASCII command for SmartGen which sets the Dynamic PS. An exemplary result would be:

DPS = London Calling The Clash

The following options could be applied:

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.



🦮 PADapult - (c)ENCO Systems 2005-2015 - v15.0b.142	
ENCO	D Log Config Auto Inputs Reload
Catapult Your Data Out There	Destinations
Title London Calling	Enabled Connected
Artist The Clash	DEVA RDS Encoder
Album	
Genre Group 1980S Length 196.80	
Station Data	
ID Curry College Radio WMLN 91.5	
Slogan WMLN 91.5	
Comment	
Now in AUTO Mode Input: File Scan PADapult My Data	
Aug 20.15 12:15:24 IP Output for DEVA RDS Encoder Connected! Aug 20.15 12:18:41 DEVA RDS Encoder: DPS=LONG COOL WOMAN IN A BLAC Aug 20.15 12:21:53 DEVA RDS Encoder: DPS=GWAR COVER OF KANSAS GW Aug 20.15 12:26:50 DEVA RDS Encoder: DPS=JESSIE'S GIRL RICK SPRINGFIE	
Aug.20.15 12:29:58 DEVA RDS Encoder: DPS-LONDON CALLING THE CLASH	
	Scheduled Messages
□ verbose	