

## NAGRA Seven SERVICE BULLETIN FOR THE VERSION V1.60

This version has a new format for the internal parameters of the Nagra Seven, and its installation will erase all the settings and parameters saved with previous versions.

### New features

- Import index: It is now possible to listen to and import any index into the working directory.
- Inputs: Possibility of adjusting the input delay with respect to an external delay. The Nagra Seven can compensate up to 30 ms at 48 kHz, around 15 ms at 96 kHz and about 7 ms at 192 kHz. The time code is also adjusted according to this delay.
- ALC: New parameters for the Automatic Level Control. It now offers the possibility of setting an attack time of up to 2 seconds. This allows for an ALC which doesn't close too quickly thus reducing the effects of "pumping". Finally, to avoid saturations a second limiter has been added to automatically operate from 2 ms to 2s.
- Transmission Menu: Now displays the status of the internal battery.
- VoIP: Added the possibility of setting a minimum value for the jitter buffer.
- VoIP: The connection is now cut after 10 seconds, if no data has been received for that duration.
- VoIP+ISDN+GSM: Audio "Occupied" signal is now heard if the connection is cut by the receiving party or by error.
- VoIP: The Nagra Seven will now support connections with third parties that double the sent data.
- Reference generator: The frequency of the internal reference generator can be chosen from 1 Hz to 20 kHz in 1 Hz steps.
- Added different brightness selections for low light displays (down to 5%). Added the 0% (Screen OFF) for the dimmer level. Added a shorter delay for going into the dimmer mode.
- New mode : "Stand-by": An "Off position behaviour" (tools/misc) allows the user to choose whether the machine will actually switch OFF when the selector is set to the OFF position. In Stand-by the seven behaves as if it were OFF (or almost) but stays ON allowing almost instant start. The power consumption remains high in the Stand-by mode, the energy economy in this mode is about 20 to 30%; Phantom +48V (micro) and 10V (AES42) are turned off. When passing to Stand-by the message "Standing by" appears for 3 seconds. A simple touch of this message will actually turn the machine OFF completely. The Stand-by mode is proposed with several different durations (1m to 2 hr) after which the machine will turn off completely automatically. During the Stand-by mode the REC led will flash every few seconds to indicate that the machine is still "alive".
- The last selected template is now shown in the template menu.
- WIFI: Possibility of storing up to 5 WiFi in order of priority. Possibility to "Scan" to find available WiFi.
- Auto record: Automatic record start for a given audio input level (VOX) there are three parameters. The trigger level (in dBFS) the reaction time (Duration needed to activate the VOX mode) and the delay before the unit stops again when the incoming sound falls below the selected level. The VOX auto-record can be combined with the Pre-record mode. The remote Start / Stop remains active and becomes VOX Start / Stop.
- Editor: Two speeds have been added, 4x and 16x. In the playback mode also with icons that appear when play is selected.
- Transmission: Inversion of the Rx / Tx balance.
- In play and Stop the data display shows the file format of the current file. In Test and Record the information displayed corresponds to the current settings of the machine.

Bug corrections:

- GSM transmission: The caller number was not displayed systematically.
- GSM transmission: The telephone operator name vanished and the status went to "Ready" when the GSM signal was lost.
- VoIP, ISDN transmission: The Rx compression could be incorrect the first attempt to enter the transmission menu.
- A new shortcut to the POT ASSIGN menu has been added, to allow pot attribution.