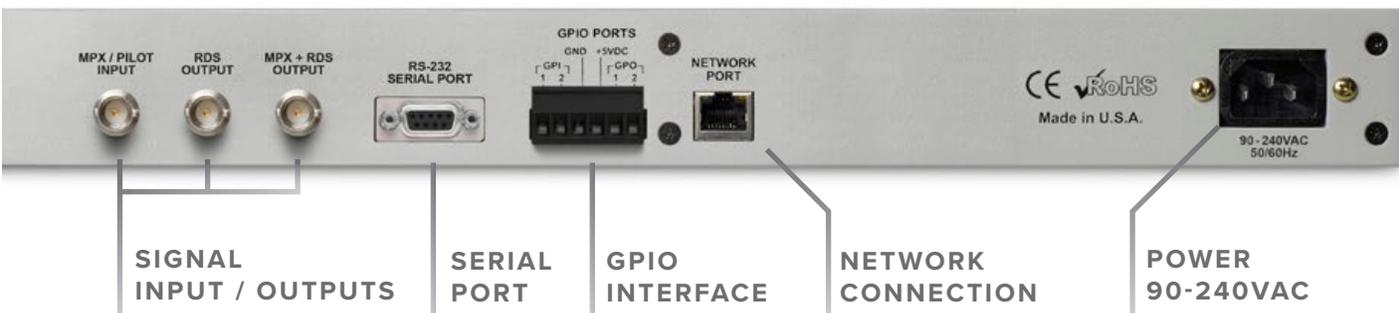# MODEL 732 Quick Start Guide

INOVONICS
BROADCAST

Thank you for purchasing the
732 Advanced Dynamic RDS/RBDS Encoder.

This quick start guide is designed to provide the basic information for an easy install. More detailed information is available in the user manual.
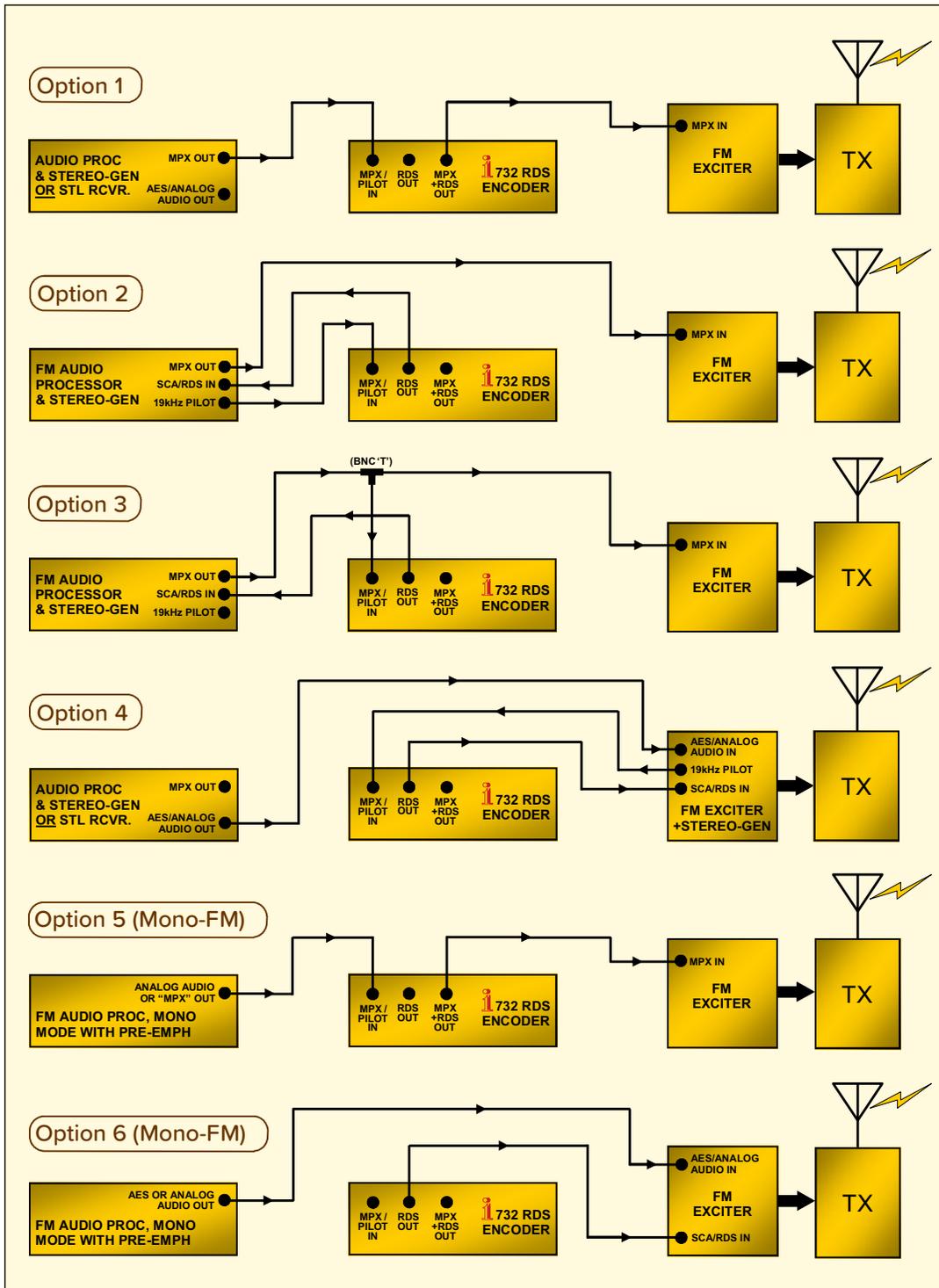
1. FRONT PANEL CONTROLS / INDICATORS:

When data is being received, the respective data indicator LED will blink

PILOT LOCK INDICATOR
TCP DATA
UDP DATA
COM / RS232 DATA

● OLED MENU DISPLAY
● BACK BUTTON
● JOG WHEEL

2. REAR PANEL CONNECTIONS:

SIGNAL INPUT / OUTPUTS

SERIAL PORT

GPIO INTERFACE

NETWORK CONNECTION

POWER 90-240VAC

3. DETERMINE YOUR AIRCHAIN CONFIGURATION:

Option 1

| AUDIO PROC & STEREO-GEN OR STL RCVR. | | 732 RDS ENCODER | | FM EXCITER | TX |

- MPX OUT
- AES/ANALOG AUDIO OUT
- MPX / PILOT IN
- RDS OUT
- MPX +RDS OUT
- MPX IN

Option 2

| FM AUDIO PROCESSOR & STEREO-GEN | | 732 RDS ENCODER | | FM EXCITER | TX |

- MPX OUT
- SCA/RDS IN
- 19kHz PILOT
- MPX / PILOT IN
- RDS OUT
- MPX +RDS OUT
- MPX IN

Option 3

(BNC 'T')

| FM AUDIO PROCESSOR & STEREO-GEN | | 732 RDS ENCODER | | FM EXCITER | TX |

- MPX OUT
- SCA/RDS IN
- 19kHz PILOT
- MPX / PILOT IN
- RDS OUT
- MPX +RDS OUT
- MPX IN

Option 4

| AUDIO PROC & STEREO-GEN OR STL RCVR. | | 732 RDS ENCODER | | FM EXCITER +STEREO-GEN | TX |

- MPX OUT
- AES/ANALOG AUDIO OUT
- MPX / PILOT IN
- RDS OUT
- MPX +RDS OUT
- AES/ANALOG AUDIO IN
- 19kHz PILOT
- SCA/RDS IN

Option 5 (Mono-FM)

| FM AUDIO PROC, MONO MODE WITH PRE-EMPH | | 732 RDS ENCODER | | FM EXCITER | TX |

- ANALOG AUDIO OR "MPX" OUT
- MPX / PILOT IN
- RDS OUT
- MPX +RDS OUT
- MPX IN

Option 6 (Mono-FM)

| FM AUDIO PROC, MONO MODE WITH PRE-EMPH | | 732 RDS ENCODER | | FM EXCITER | TX |

- AES OR ANALOG AUDIO OUT
- MPX / PILOT IN
- RDS OUT
- MPX +RDS OUT
- AES/ANALOG AUDIO IN
- SCA/RDS IN

4. SET: RDS OR RBDS

For Europe and all other countries, set to RDS
For North America, Canada, and USA, set to RBDS

MODEL 732
Ver. 0.9.1.2
Inovonics, Inc.

- Now Playing
- RDS ▶
- Data Ports
- Scheduler
- Setup

RDS
Set up all RDS encoder settings.

- RadioText (RT)
- DPS & RT Delay
- Alternative Frequencies
- Traffic Alert (TA)
- RDS / RBDS

RDS / RBDS
Set RDS / RBDS mode according to your region.

- ☐ RDS (EU)
- ⊙ RBDS (NA)

5. SET: PI CODE / PTY / FLAGS

Set your PI code:
    For RDS – Enter your government issued 4 digit Hex ID
    For RBDS – Enter your station's call letters
   *Find PI codes for translators at **picodes.nrscstandards.org**
    When entering a translator's HEX code, the "Call" box will
    most likely show "????" This is OK.

Select your PTY (format) code: e.g. NEWS / ROCK / COUNTRY / JAZZ ...
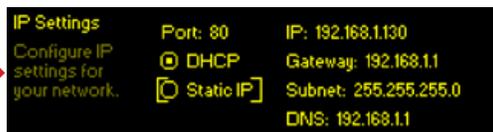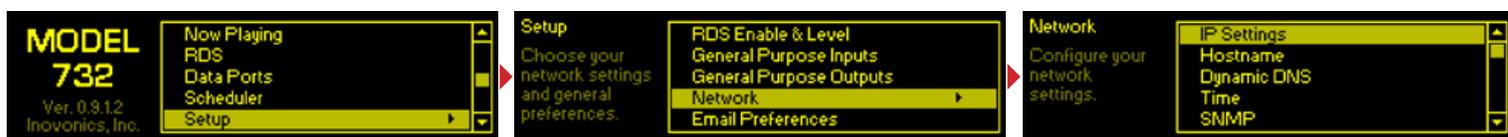**Select which Flags to use:**
    MS – Music or Speech
    DI – Stereo or Mono
    TP – If your station broadcasts Traffic Reports, set to ON
    CT – If your station broadcasts Clock / Time information, set to ON

6. SET: NETWORK

Connect network cable **//** **Select either DHCP or Static IP and other network prameters**

Once a valid IP address appears here, you may access the Model 730 web interface by entering this address into the browser of a computer on the same network.

7. SET: TIME ZONE

Set appropriate Daylight Saving settings, and UTC Time Zone offset
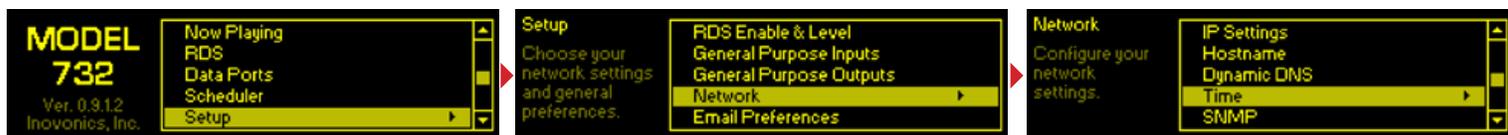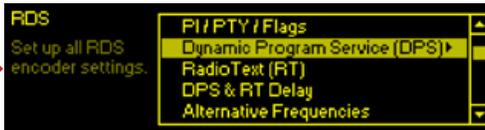

8. SET: RDS ENABLE & LEVEL
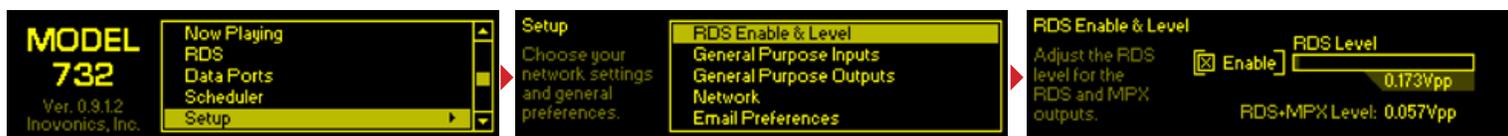
While monitoring your station with a Modulation Monitor, adjust the RDS Level until you see approximately 5% of 57kHz RDS Injection as indicated on your Modulation Monitor.

STATIC MESSAGE (This can be done through the front panel display, or more easily using the web interface.)
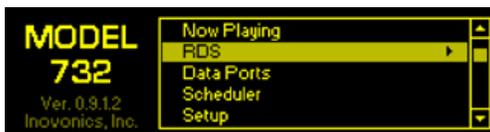

DYNAMIC PS:

DPS – Enter your Dynamic PS data

EXAMPLES:
- Live 105 Plays your favorite music all day long
- Kitchen Country WMBI 92.5
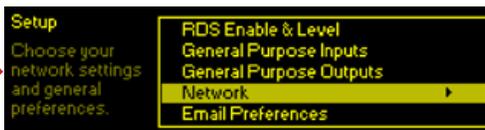- The B93

RADIO TEXT:

RT – Enter your Radio Text data

EXAMPLES:
- www.inovonicsbroadcast.com is your favorite!
- Call the KBLF Music Hotline 800-733-0552
- KAZU Appreciates your support KAZU.org

DYNAMIC MESSAGE (This can be done through the front panel display, or more easily using the web interface.)

Note the IP address and Port Number of your Model 732 RDS Encoder
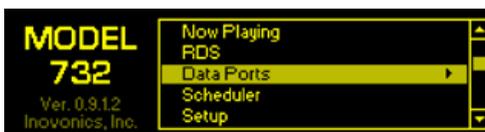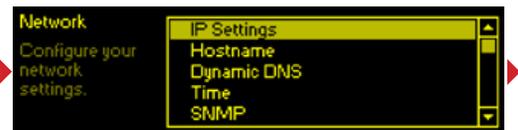
In your automation software, use the IP address and Port number you've noted to "tell" your automation system where to send the data for the Model 732. (This will be different for every automation system.)

To verify that valid data is being sent to the Model 732 from your automation system you can monitor the received data on the "Debug" screen or via the web interface.
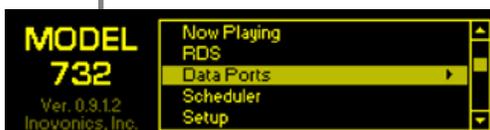
You can see from the above that **DPS=Thriller by Michael Jackson on KBLF <cr>** was sent to the 732. The 732 responded with [**OK TCP1**] which means the data was received with the correct syntax on TCP1.

You can also see that **TEXT=KBLF – Always playing your favorite music <cr>** was sent to the 732. The 732 responded with [**OK TCP1**] which means the data was received with the correct syntax on TCP1.