

# **Block Diagram**

**BST-1 SHORTWAVE RADIO**

**FCC ID 2AF6LBST1**

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## INTRODUCTION

The BST-1 is a shortwave receiver intended for vehicle use. It has a 2-25 MHz tunable AM shortwave receiver and a built-in FCC Part 15 compliant FM transmitter that provides the demodulated shortwave audio to the vehicle's FM radio. The BST-1 is tuned by wireless remote control using an FCC Part 15 compliant 433.92 MHz key fob and a 433.92 MHz receiver contained within in the BST-1.

## BLOCK DIAGRAM

Figure 1 shows the block diagram of the complete BST-1. More details on the 88.3 to 88.9 MHz FM transmitter portion are shown in Figure 2.

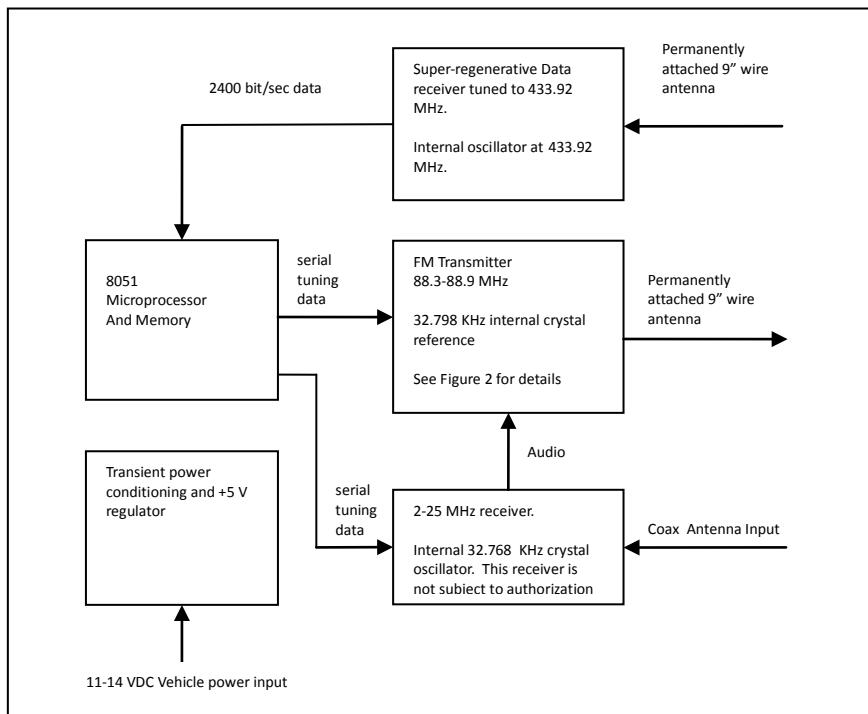


Figure 1 – Block Diagram of BST-1

## Functional Block Diagram

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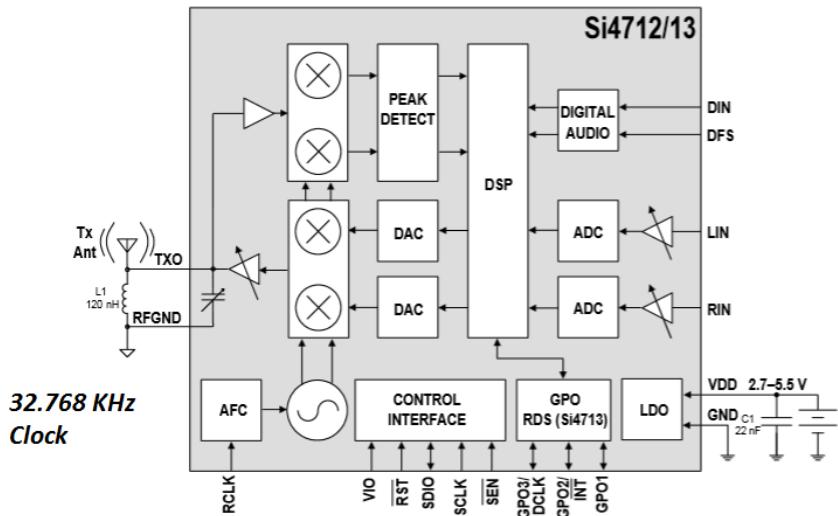


Figure 2 – Block Diagram of FM Transmitter