

T41 V12 RF Cables Assembly Manual

Version 1.00 – May 4, 2025

WJ Schmidt - K9HZ

INTRODUCTION

(THIS ASSEMBLY MANUAL IS UNDER CONSTRUCTION)

The new T41 V12 uses a different set of cables than the V10 and V11 radio does. The cable building is presented here in the order that helps you test out boards in the natural order of building them. Each section has the information on the suggested cable length and the materials needed to build it.

CABLES

- I. MAIN BOARD [J22] to AUDIO HAT [J7]
This cable connects the teensy audio hat output from IDC LINE OUT pins L, G, and R to the MAIN board J22 IDC pins I-Out, AGND, and Q-Out.
- II. MAIN BOARD [J13] to AUDIO HAT [J7]
This cable connects the teensy audio hat MIC input pins MIC and G to the
- III. MAIN [DISPLAY – J7] to DISPLAY [DISPLAY]
- IV. MAIN [FRONT PANEL – J5] to FRONT PANEL
- V. FRONT PANEL to ENCODERS
 - a. Single Encoder Cables
 - b. Double Encoders Cables