

## STI5518 based universal FTA software project

This project is started just to understand the ST20 core and create nice menus to STRONG SRT4155 receiver :)

### Resources:

- [Some new tests. No comments/organazing for now :\(](#)
- [5518 datasheet](#)
- [5518 registers manual](#)
- [ST20 ANSI C toolset \(very old\)](#)
- [first tests](#)
- [jKeys .def](#) file with SRT4155 definitions
- [unlock.bin](#) subroutine (to clear WP on 28W160CT - load with 'development panel' of jKeys)

### DONE:

1. **EMI configuration.**
2. **Clock generator configuration.**
3. **UART configuration, uart\_printf(...)**
4. **SSC (I2C: EEPROM, SCART switch and NIM access)**
5. **Tuner (Stv0299/TSA5059 based)**
6. **OSD (show predefined graphics)**
7. **IR Blaster (stable codes recognition)**
8. **DENC (basic registers inits...)**
9. **Front panel LED's :)**

### ToDo:

1. **MPEG decoder routines.**
2. **OSD generation routines (general purposes: rectangles, circles, etc... and especially text)**
3. **HDD support.**
4. **Tuner and flash memory type detection.**
5. **'librarisation' of routines.**

### Wanted:

1. **Any STI5518 STB's schematics (especially with ATAPI interface).**
2. **STI5518 specific libraries and sources.**
3. **New ST20 toolset.**

if you have any information on this issues (especialy STI5518 toolset libraries and sources) - contact me  
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