Setting up FrSky TFRSP as a wireless trainer system

What you need:
- Radio used by teacher, which will control the model
  (not necessarily Futaba FASST compatible)
- Radio used by student
  (Futaba FASST compatible)
- FrSky TFRSP Futaba FASST compatible receiver *
- WTC/x trainer connector cable matching your radio's trainer port
  (WTC/1 Futaba plug is available now, cable for other brand radios,
  such as Graupner/JR MX22/MX24s will be available soon)

Set up:
- Fix FrSky TFRSP and connect it to the transmitter
  Find a suitable place to fix FrSky TFRSP. We recommend a flat spot where velcro tape can hold firmly, not too far away from the trainer socket of the teacher's radio. Connect the WTC/x to the CPPM port of TFRSP and the radio's trainer port.

- Set up the teacher's radio as appropriate:
  In this example, a specific radio is used. Your radio may require different steps to achieve the goals demonstrated.

Certain radios require activation of the trainer port, others not. Some radios allow the teacher to select which function the student may control. See in your radio's manual how to allocate these.

- Bind your TFRSP to the student's radio:
  1. Switch the student's radio on
  2. Set the student's radio up to use PPM protocol
  3. Power the teacher's radio on while pressing down the TFRSP's F/S button. Observe the flashing of your TFRSP's LED, which indicates the binding process is completed successfully
  4. Cycle the power of the teacher's radio
  5. The link should be set up and your TFRSP is bound to the student's radio, which is indicated by a constant lit LED of your TFRSP
 6. In case the binding process goes wrong, repeat steps 1 to 5

- Enjoy your wireless trainer system:

Troubleshooting:

- TFRSP's LED does not light up at all
  Power is missing.

  ✧ provide external power from a battery or bec

  ✧ trainer port and thus power to TFRSP is not activated, see the radio's manual on how to activate it

- Channels are mixed up
  It is not a mistake of your TFRSP, but may happen if the student's and teacher's radios do have a different channel allocation scheme.

  ✧ In case of a JR/Graupner radio (channel scheme 1 Thr, 2 Ail, 3 Ele…) as the teacher's radio and a Hitec Optic radio (channel scheme 1 Ail, 2 Thr, 3 Ele…) as the student's radio, at least throttle and aileron have to be exchanged. This can be achieved by 2 mixers active only when the teacher is controlling the model plus 2 mixers active only when the student is controlling the model. Throttle and Aileron channels should be reachable through mixers only. The example below shows the set up on a Graupner/JR mx-22, assuming the switch used to pass control to the student is switch 7
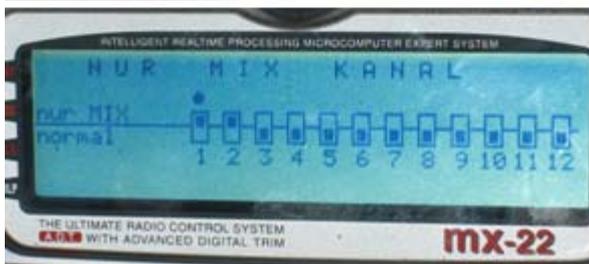
  ✧ In case of a Futaba FX30 and compatible radios (channel scheme 1 Ele, 2 Ail, 3 Thr …) as the student's radio, channels 1 and 3 need to be exchanged on the Graupner/JR transmitter as shown above.

* FrSky V8R7SP and D8RSP can be used to set up wireless trainer systems too, along with respective FrSky compatible modules. The module of the student's radio needs to be replaced by respective FrSky module, with the same set up procedures above.

Below is the compatibility chart:

Receiver	Respective compatible module
V8R7SP	Non-telemetry module: V8FT, V8JT, V8HT Telemetry module in V8 mode: DFT, DJT, DHT, DHT-U
D8RSP	Telemetry module in two way mode: DFT, DJT, DHT, DHT-U