

# Binding - Quickbinding for weatronic 2.4 Dual FHSS System

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## 1. Binding

weatronic recievers have to be **bound** to the weatronic TX module one time.

While doing this, the serial number of your TX module will be stored in your reciever.  
This makes sure that your reciever will only use signals from **your** TX module.

### 1.1 Binding for DR Micro series / DR Smart series

1. Remove the eventually plugged jumper from the **SCU / USB** port of your reciever.
2. After turning on your weatronic DualReceivers you have 30 seconds to plug the jumper on to the **SCU / USB** port of your reciever.

After 30 seconds **binding** is impossible because of safety reasons.

- At the Micro series plug the jumper between the pins **on bottom and on the middle** of the SCU port.
- At the Smart series plug the jumper between the pins **on outside and on the middle** of the SCU port.

**NEVER plug the jumper on any of the servos ports!!!**

After 5 seconds the green LED will start flashing once per second.  
The DualReciever is now in **binding** mode.

3. This mode will be kept as long until a TX module is found which is also in **Binding** mode.
4. Now turn on your TX module.
5. After a short self check of one second you have 30 seconds to press **button 2**.  
(After 30 seconds **Binding** is impossible because of safety reasons.)
6. Hold **button 2** for at least 5 seconds. While doing this ignore the flashing of the green LED.  
After 5 seconds the green LED starts flashing once per second.

The TX module is now in **Binding** mode.

7. After succesful **Binding** on your DualReceiver the flashing of the green LED will change into a continous glowing.  
The same will happen to the LED of your TX module.
8. Unplug the jumper. Your DualReceiver is ready for use now.

## 1.2 Binding for Clever series

1. Remove the eventually plugged jumper from the **SCU** port of your reciever.
2. After turning on your weatronc reseiver you have 30 seconds to plug the jumper on to the **SCU / USB** port of your reciever.  
After 30 seconds **binding** is impossible because of safety reasons.

Plug the jumper on the pins on top and on the middle of the **SCU** port.

**NEVER plug the jumper on any of the servos ports!!!**

After 5 seconds the green LED will start flashing once per second.  
The receiver is now in **Binding** mode.

3. This mode will be kept until a TX module is found which is also in **Binding** mode.
4. Now turn on your TX module.
5. After a short self check of one second you have 30 seconds to press **Button 2**.  
(After 30 seconds **Binding** is impossible because of safety reasons.)

6. Hold **Button 2** for at least 5 seconds. While doing this ignore any flashing of the green LED. After 5 seconds the green LED starts flashing once per second.

The TX module is now in **Binding** mode.

7. After succesful **Binding** of your receiver the flashing of the green LED will change into a glowing.  
The same will happen to the LED of your TX module.
8. Unplug the jumper. Your receiver is ready for use now.

### 1.3 Binding for DR 12-22 R series

1. Turn on your DualReciever by unplugging the red **REMOVE BEFORE FLIGHT** plug.
2. You have now 30 seconds to plug the blue **BINDING** plug into your switch board.  
(After 30 seconds **Binding** is impossible because of safety reasons.)

After 5 seconds the green LED on your switch board and on your DualReceiver will start flashing once per second.

The reciever is now in **Binding** mode.

3. Now turn on your TX module.

After a short self check of one second you have 30 seconds to push button 2.

(After 30 seconds **Binding** is impossible because of safety reasons.)

4. Hold **Button 2** for at least 5 seconds. While doing this ignore the falshing of the green LED. After 5 seconds the green LED starts flashing once per second.

The TX module is now in **Binding** mode.

5. This **Binding** mode will be kept until a TX module is found which is also in **Binding** mode.
6. After succesful **Binding** of your DualReciever the flashing of the green LEDs will change into a glowing.  
The same will happen to the LED of yout TX module.
7. Unplug the blue **BINDING** plug now. Your DualReciever is ready for use now.

## 1.4 Problems and possible mistakes at binding

1. All 3 LEDs of your TX module are flashing. Firmware not up to date.  
→ Please update.
2. The green LED of your TX module is flashing once per second. No receiver found.  
→ Please put your Weatronic DualReceiver into **Binding** mode.
3. You waited more than 30 seconds after turning on your receiver to plug the jumper.  
→ Please turn off Weatronic DualReceiver and restart.
4. Distance between TX module and receiver too low.  
→ Please keep at least 40 cm between Tx module and receiver.
5. Aerials are touching.  
→ Please make sure they can't touch each other at any time.

## 2. Quickbinding

The weatronic 2.4 Dual FHSS system uses active feedback. Because of that it is necessary to tell your TX module to which receiver it is connected to.

Changing to another bound receiver requires **Quickbinding**.

It is not necessary to proceed **Binding** again.

### 2.1 Quickbinding procedure

1. Turn on your TX module.
2. After a short self check of one second you have 30 seconds to press **Button 2**.  
(After 30 seconds **quickbinding** is impossible because of safety reasons.)
3. Press **Button 2** shortly (less than 5 seconds)  
The TX module is now in **quickbinding** mode.  
The green LED flashes twice per second.
4. This mode will be kept until a receiver is found.  
Now turn on your receiver.

If 2 bound receivers are turned on the TX module will choose the one with the stronger signal for **quickbinding**.

5. After successful **quickbinding** the flashing of the green LEDs on your receiver and TX module will change into glow.

## 2.2 Problemes and possible mistakes at quickbinding

1. Distance between TX module and reciever too low.  
→ Please keep at least 16 inch - 40 cm between Tx module and reciever.
2. Aerials are touching.  
→ Please make sure they can't touch each other at any time.
3. All 3 LEDs of your TX module are flashing. Firmware not up to date.  
→ Please update.