Modulation brief instruction

1 Modulation setting

The modulation at the weatronic transmitter module and your radio has to be the same!
The transmission to the receiver itself is done with the weatronic modulation.

The weatronic transmitter module is shipped with the "Auto" setting. This will be the correct setting for most common radios.
An automatic recognition of all possible modulations is not always possible.
This applies to older multiplex transmitter which can be set only to their own type of modulation.
Furthermore this applies to modulation with 12 channels. Here are two different types on the market. We offer PPM12 with two different zero point's settings.

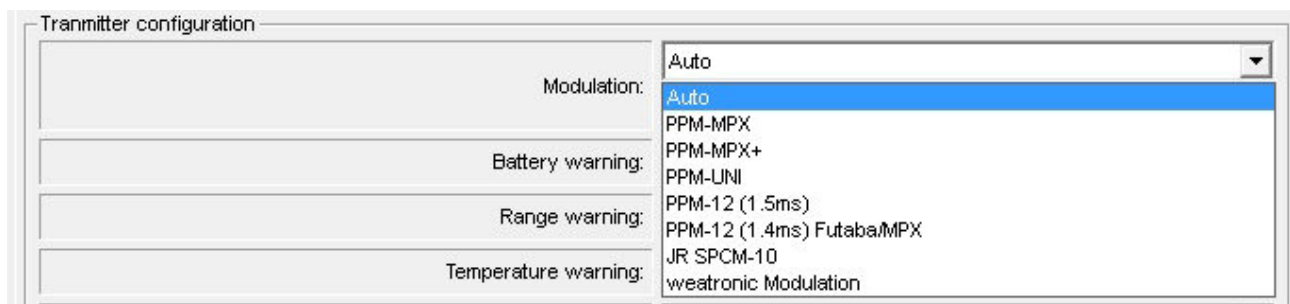You can adjust the setting for the modulation detection with the software GigaControl.

1.1 Automatic setting

As default, the modulation is set to auto
At the line below the detected modulation is displayed.
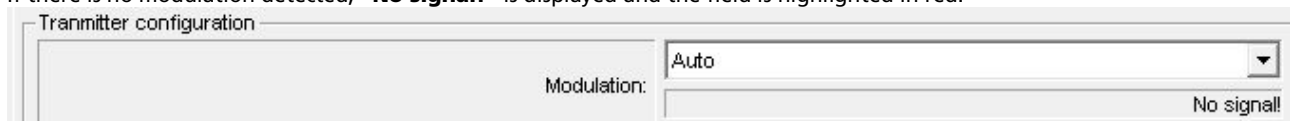

1.2 Manual settings

The following settings are available:
Auto / PPM-MPX / PPM-MPX+ / PPM-UNI / PPM12 (1,5ms) / PPM12 (1,4ms) Fut./MPX / Graupner(JR) SPCM-20 / weatronic Modulation

2 Common mistakes

2.1 No signal

If there is no modulation detected, **"No signal!"** is displayed and the field is highlighted in red.

In this case, check the settings at the transmitter modulation menu.

Chapter 3 contains an overview about the modulation which should be adjusted.

2.2 Transmitter is not turned on
The weatronic transmitter module also works when it is connected with a USB cable to a PC / notebook.
Is the transmitter is not turned on; "**No signal!**" is displayed as well.

2.3 Settings in the transmitter's own menu
Mostly all common radios can assign to each model memory a separate modulation.
We recommend that you set the same modulation to all model memories.

3 Overview

Modulation set at the radio	„Auto" setting	manual setting	Available Channels
Graupner			
PPM 18	OK	PPM - UNI	bis 9
PPM 24	OK	PPM – 12 (1,5)	12
PPM 24 (z.B. MX24)	1	PPM – 12 (1,4)	12
SPCM 20	OK	JR SPCM - 20	10
ASPCM 4	4	4	-
JR			
PPM 9 (z.B. JR12X)	OK	PPM - UNI	9
SPCM 10	OK	JR SPCM - 10	10
ASPCM 4	4	4	-
Multiplex			
PPM (MPX)	1	PPM - MPX	bis 9
PPM (MPX) 2	1	PPM – MPX+ 2	bis 9
PPM (UNI / Fremd)	OK	PPM - UNI	bis 9
PPM 12	1	PPM – 12 (1,4ms)	12
Robbe / Futaba			
PPM	OK	PPM - UNI	bis 9
PPM 12 Mitte „1.5"	1	PPM – 12 (1,4)	12
PCM 1024 3	3	3	-
G3 2048 4	4	4	-
FASST	4	weatronic modulation	z.Z. 16
weatronic			
weatronic		weatronic modulation	more then 99 functions

1 not detected automatically.

2 if the transmitter stick are not calibrated accurate the transmitter stick end-points are not optimal.
Just choose PPM MPX+.

3 From version V2.50 on the modulation PCM 1024 is no longer supported
Just select a different modulation.

4 This modulation is not supported.
Just select a different modulation.

If you have any questions don't hesitate to contact our service.

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