



User Manual

Modul No.2

consisting of

WHDI Video Receiver / WLV.RX & 4k WHDI Video Transmitter / WLV.TX — Built-in version—

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1. Information on the User Manual

Following the instructions in this user manual will help to avoid hazards and increase the reliability and service life of your **Module No.2**.

1.1 Symbol explanation

	Read the user manual before starting up the device!
	Caution! / Warning! Indicates a potentially hazardous situation which, if not avoided, may result in property damage or personal injury!
	Note! Highlights useful tips and recommendations as well as information for efficient and interference-free operation
	Disposal Information!
	General recycling symbol!
	Product is MR Unsafe! (Notice for medical use)

1.2 Used abbreviations

<i>Abbreviation</i>	<i>Meaning / Explanation</i>
Modul No.2	System-Name
WL.V.TX	Wireless Video Transmitter
WL.V.RX	Wireless Video Receiver
WHDI	Wireless Home Definition Interface
SDI	Standard Digital Interface
HDMI	High Definition Multimedia Interface
UART	Universal Asynchronous Receiver Transmitter (digital serial interface)
PCB	Printed Circuit Board
TX	Transmitter
RX	Receiver
W or w	Wireless
PWR	Power / Power Supply
Built in	Built in version
<i>General abbreviations, possibly not used</i>	
Fig.	Figur
N/N	Not named
N/A	Not applicable
tbd	To be defined
-----	Not used
/*...*/	Comment

1.3 Copyright and property rights

This Operating Instruction contains information which is only meant for the purchasers of **Modul No.2**.

The content of this manual is property of TQ-Systems GmbH.

As long as there is no explicit permission from TQ-Systems GmbH this Operating Instruction is only intended for the operation or maintenance of **Modul No.2**.

Content and works published in this manual are subject to German copyright law.

Copying, processing, distributing and any kind of use outside the limits of copyright law require the written approval of the particular author, respectively compiler TQ-Systems GmbH.

1.4 Disclaimer

Prior to use please check the video data transmitted. Manufacturer does not accept any liability caused by incorrect transmission of video data.

All data and notes in these Operating Instructions were prepared with consideration to the statutory standards and regulations, the present state of technology, as well as our many years of knowledge and experience.

The manufacturer accepts no liability for damage caused because of:

- Non-compliance with the Operating Instructions
- Non-specified use
- Use of untrained personnel
- Arbitrary modification of the **Modul No.2**
- Technical changes
- Use of uncertified spare parts

The actual scope of delivery can, by special designs, deviate from the explanations and presentations given here, because of the utilization of additional order options of the manufacturer of the upper-assembly, or because of the most recent technical changes.

1.5 Service

For questions regarding services please contact the manufacturer of the upper-assembly.

2. Safety Instructions



To ensure your own personal safety and to avoid personal injury (including death) caused by fire or strong heat, release of chemicals and smoke emission, product- or material damage, you necessarily must read, understand and follow the following safety instructions. Use the product properly.

- Before using an external power supply, always check that the voltage is within the specified range and that the polarity of the connector is correct, as this will avoid smoke or fire.
- Do not attempt to disassemble, modify or repair this product yourself. That may cause fire or electric shock. Please refer inspection and repair services to your dealer or TQ-Systems GmbH.
- Do not use this product near water or in high humidity environments. This may cause fire or electric shock. .
- In case of damage, smoke, unusual smell or other unexpected situations, stop use immediately and consult your dealer or TQ-Systems GmbH
- Turn off the power immediately if any, liquid or substance gets inside the product. Continuous use under such condition may cause shortage, fire or electric shock.
- Before touching please take note that during operation the casing may heat-up.
- Do not stare at LED lights on the side panel of the **Modul No.2**, as this may cause damage to the eyes.
- Do not place this product on an uneven surface or one with vibration. It may cause failure or damage.
- Always ensure that the system is mounted properly.
- Opening by tool is only allowed trained / instructed technicians!
- Only for indoor use!
- Operation with minimum distance of 20 cm between human body and each device

Modul No.2 is designed not to exceed the limits for exposure to radio waves recommended by international guidelines and include safety margins designed to assure the protection of all persons, regardless of age and health. During a longer operation a minimum distance between product and operator's head of 20 cm is recommended.

This product is approved for technical standard compliance certification as a wireless device of radio stations with low antenna specified under international and U.S. FCC radio wave regulations.

Modul No.2 uses 5GHz band.



Modul No.2 It is not allowed to use the device in the areas with strong magnetic fields (for example next to MRI Devices)!

3. Compliance with guidelines

Type plates / statements and other country certifications (markings).

Information on this can be found in chapter 7

The declaration of conformity can be found in chapter 9

4. General Information Modul No.2

Module No.2 transmits 4k video data up to 2160p29.97 from transmitter to receiver without frame delay in the 5GHz frequency band (see also 4.4 Technical data).

Without line of sight, the signal is attenuated depending on the material, which can reduce the range accordingly.

The receiver has a HDMI 1.4 standard & a 3G/6G SDI standard output.

The built in transmitter (TX) is connected to a camera and a 24VDC/10W power supply using a 30pin LVDS Camera connector,

the receiver (RX) can be connected to display and/or recording devices using a suitable HDMI or SDI cable.

Lifetime;



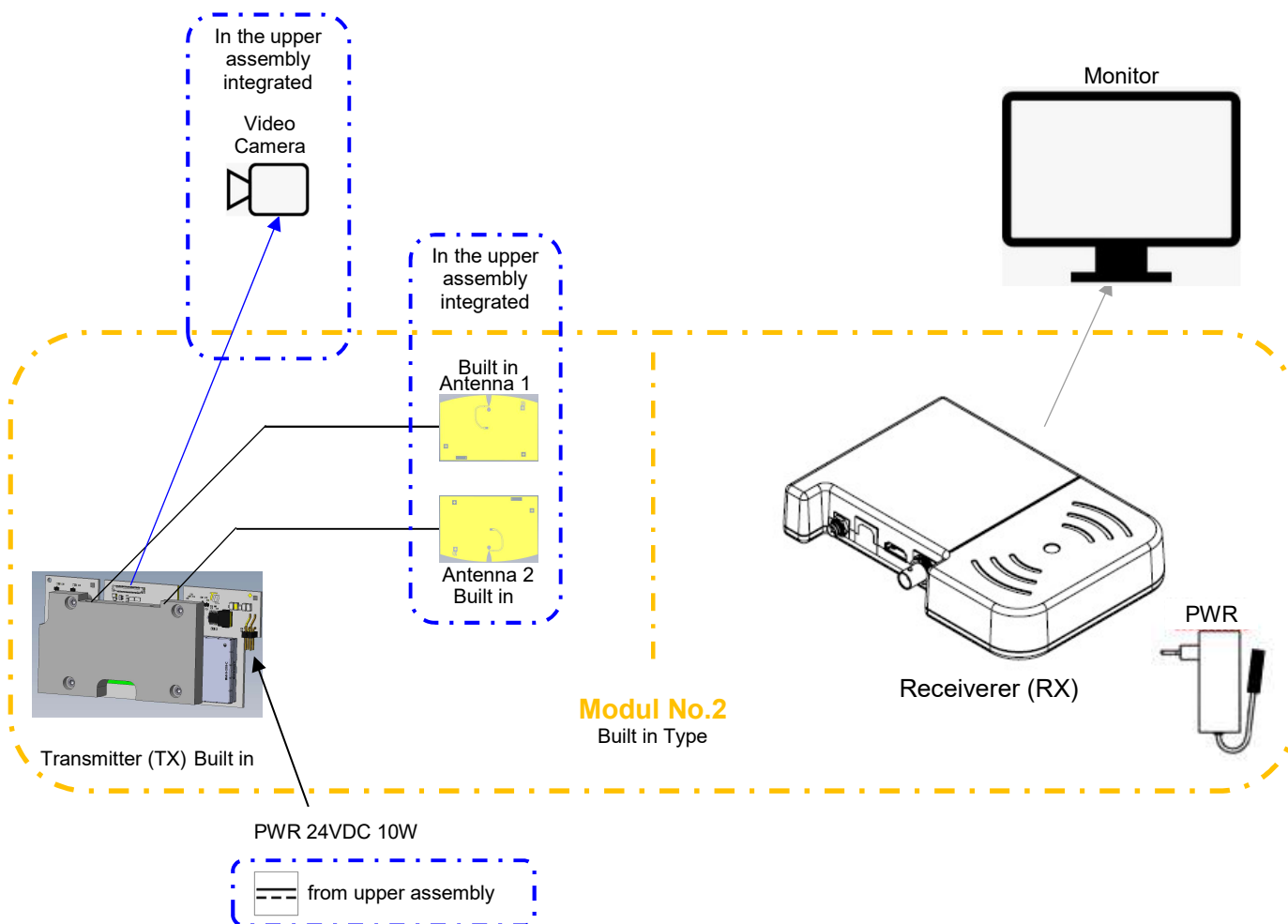
The Product has an expected service life of ≥ 15 years.

(Service/maintenance by a service technician of the manufacturer of the upper-assembly must be guaranteed)

4.1 Design/s

Modul No.2 is available in the following version.

In this version, a transmitter can transmit video data to a receiver, the transmission path is secured with AES-256 encryption.



4.2 Scope of supply

Modul No.2 is delivered in a shipping package .

Part number	Name	Components	Quantity
tbd	Modul No.2 HDMI Wireless 4k Video, - TX Built in, Set -	Transmitter (TX) Built in Version	1
		Antenna cable (Transmitter) connected at TX	2
		N/N	---
		Receiver (RX)	1
		PWR Supply Receiver (FRIWO FOX18 MED)	1
		User Manual	1

- **Not included in the scope of delivery, but required for operation**
 - for the Receiver:
 - Monitor
 - HDMI or SDI-cable
 - for the Transmitter:
 - a power supply with connectors from the upper assembly (for the built in Version)
 - a suitable installation location with 2 antennas from the upper assembly (built in Version)
 - a video camera with 30pin LVDS connector and cable

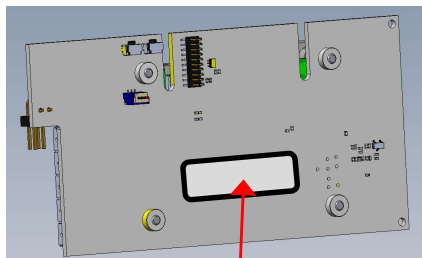
Please note:



*The product/transmitter is only functional in the dedicated upper assembly!
The product must be activated by a service technician via software and
programmed according to the country-specific regulations (frequencies/channels)!*

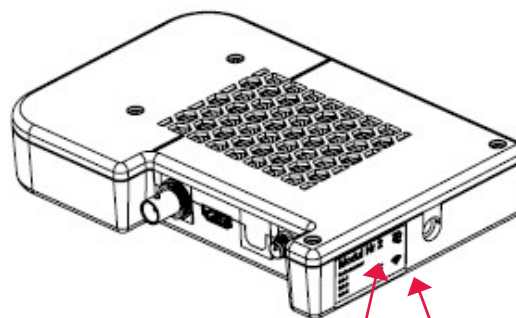
4.3 Checklist components

Transmitter TX (built in Version)



Type Label location

Receiver RX



Type Label

also on bottom side



Plug-in power supply Receiver

FOX 18 Medical, FRIWO FW8001/12

Recommended accessories: *(not included in the TQ delivery)*

Transmitter:

In the upper assembly integrated

- Connector / socket for PWR
- Power supply / Voltage source 24VDC / 10W

Receiver:

- 3/6G-SDI-cable or
- HDMI 1.4 -cable
- Monitor with a suitable resolution



Product damage caused by improper storage, incorrect handling, improper use, unauthorized modification of the product or connection cables modified or built by the customer are not covered by the product warranty.

4.4 Technical Data

	Transmitter	Receiver
Operating Frequencies	5.1-5.9GHz (depends on regional regulations)	
Supported resolutions	1080p50 – HDMI1.4, 3GSDI 1080p59,94 – HDMI1.4, 3GSDI 2160p25 – HDMI1.4, 6GSDI 2160p29,97 – HDMI1.4, 6GSDI	
Transmitting method	Integrated multi-antenna system Zero latency (<1ms)	
Transmitting power	max. 10 dBm USA: max. 9 dBm	
Operating range	~15m	
Modulation	Downlink (Tx - > Rx): QAM 16 Uplink (Rx - > Tx): QPSK	
Encryption	AES-256	
Power (Supply)	24V / 10W	Powered by external power supply 12V / 15W

Environmental conditions

	Transmitter	Receiver
During operation		
Operating temperature (°C / °F)	10°-40°C / 50°-104°F	
Humidity (non condensing)	30 % — 75 % rel.	
Barometric pressure	700 hPa — 1060 hPa	

	Transmitter	Receiver
Storage (Transportation)		
Temperature (°C / °F)	-20°-60°C / -4°-140°F	
Humidity (non condensing)	10 % — 95 % rel.	
Barometric pressure	700 hPa — 1060 hPa	
Note:	If the device has been stored/transported at extreme conditions, it needs adequate acclimatization before being switched on	

	Transmitter	Receiver
General		
Dimensions in mm ³	110 x 58 x 24	178 x 113 x 34
Weight in Gramm (g)	~180	~350
IP class	N/A (built in Version)	IP 20
Housing material	N/A (built in Version)	PC-ABS
Mechanical support	holes for PCB mounting	M8 screw fitting

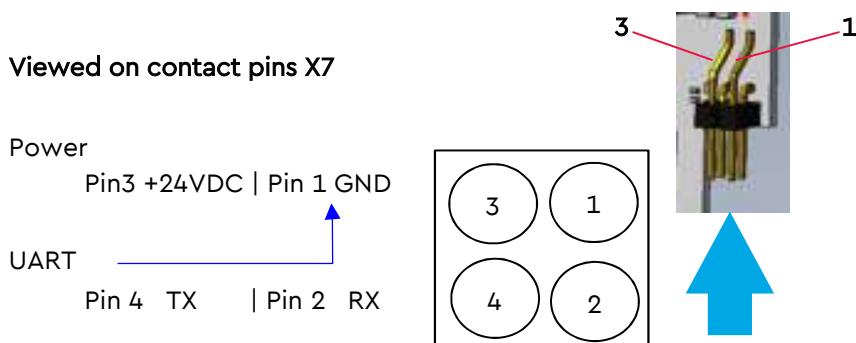
4.5 Parts & connection description

4.5.1 Plug-in power supply Receiver

For the receiver (RX) use only the enclosed plug-in power supply!
The video cables (HDMI / SDI) should be of high quality (e.g. HAMA 00205362)

4.5.2 Pin assignment Transmitter

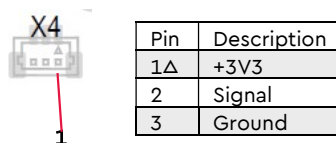
Only a power supply / voltage source with 24VDC 10W may be used for the transmitter (TX)



Camera Connector X1

30pin LVDS Camera Signal (see camera manual)

RCC Connector X4 (possibility to connect an infrared remote control)



- for installation in the upper assembly, ask your service partner of the manufacturer
- for troubleshooting see Chapter 5.4
(if this is not sufficient) ask your service partner of the manufacturer

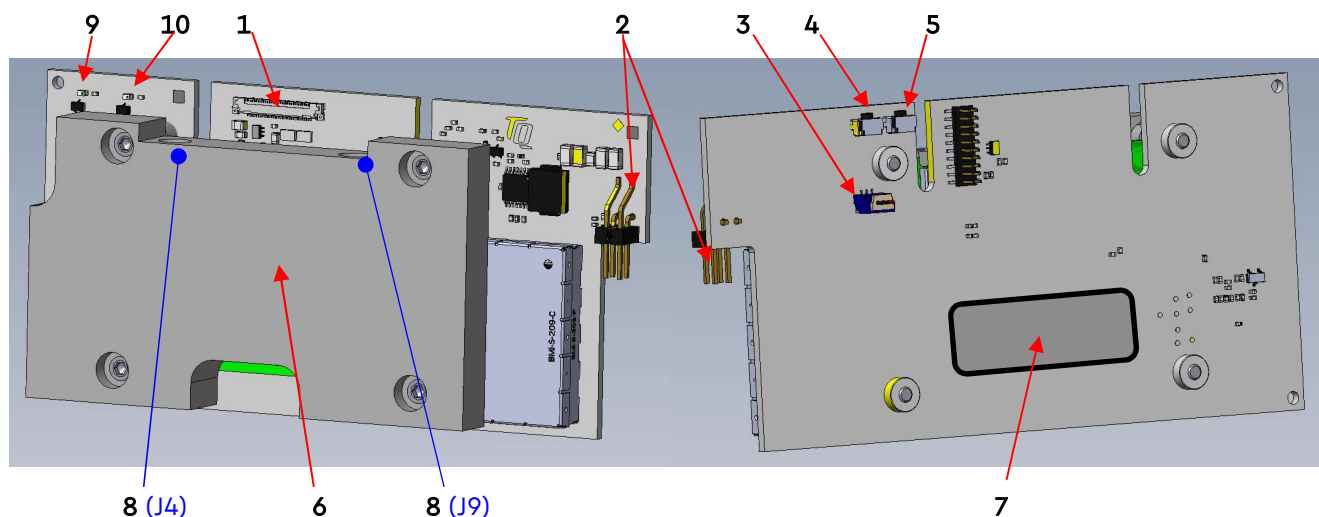
Please note:




*The product/transmitter (WLV.TX) is only functional in the dedicated upper assembly and the receiver (WLV.RX) can only be connected to one of these transmitters (WLV.TX)!
The product must be released by a service technician via software and programmed according to the country-specific regulations (frequencies/channels)!*

4.6 Part designation

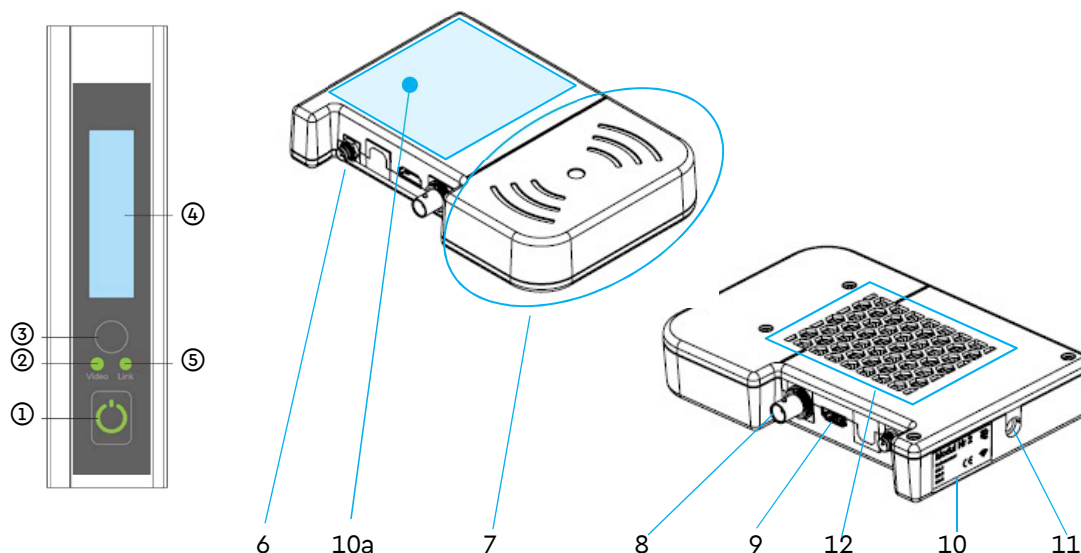
4.6.1 Part designation Transmitter (built-in version)



No.	Name	Function
1	X1 Camera Connector	LVDS Camera Signal (30 Pole)
2	X7 Main Connector	PWR & (UART) see 4.4.2
3	X4 RCC Connector	possibility to connect an infrared remote control
4	S1 Pushbutton	Pairing (Registration to HF Modul)
5	S2 Pushbutton	Reset (to HF Modul)
6	Heat sink	Cooling for transmitter module below
7	Labeling field	for Type Label
8	J4 & J9 on RF Module	2 Antenna Connectors on RF Module 
9	V10 LED	Video status indicator
10	V11 LED	Network status indicator

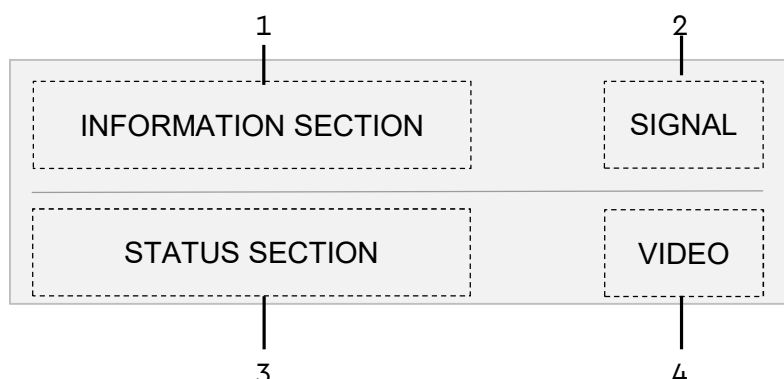
4.6.2 Part designation Receiver



User interface



No.	Name	Function
①	Pushbutton ON/OFF	Long actuation (≥ 2 s): ON or OFF
②	Video signal indicator	This LED (video) lights up green when a video is transmitted
③	Selection button	Short actuation (< 1 s): Advancing the menu items Long actuation (≥ 2 s): Confirmation
④	Display	Readout see 4.5.3 Display of the receiver
⑤	Radio link indicator	This LED (link) lights up green when the radio receiver is actively connected to a transmitter and flashes during the search for a connection
6	Power supply & UART	Connection for the enclosed plug-in power supply unit also used for SW Update by an specialized service technician
7	Antenna area	This area should not be covered
8	SDI	SDI Socket
9	HDMI	HDMI Socket
10	Labeling field	for Type Label
10a	additional area type plates	Type labels according to country approvals that are not located on the type label in the labeling field
11	M 8 Thread	Receiver mounting
12	Heat dissipation	This area should not be covered

4.6.1 Receiver display indications



No.	Name	Function
1	Information Section	Information on the current connection is displayed in this area. You can switch between the individual pieces of information by pressing the button ③. Current reception parameters, software and hardware revision, as well as the hardware revision, as well as the display of commands, which can be triggered with a keystroke of 3 seconds.
2	Signal Connectivity	This area displays the current signal strength of the wireless connection to the transmitter. Up to four bars are displayed. Four bars represent optimal signal strength and one bar represents a very poor connection. If the device is not connected to any transmitter, nothing is shown in this area of the display.. 
3	Status Section	All status messages concerning module No.2 are displayed in this area. A list of all status messages can be found in the following table.
4	Video Resolution	In normal operation, this area displays the resolution of the currently transmitted video. This can be either 4K or HD resolution. In case of an error message, a triangle with an exclamation mark is displayed 

Status messages

Designation	Function
Connecting	The device tries to connect to a transmitter
Connected	The device is connected to a transmitter
Pairing	After selecting Start Pairing the receiver tries to connect to a transmitter
Disconnected	The device <u>is not connected</u> to a transmitter
Wireless off	Power save mode appears when the receiver is powered up and when the receiver is not paired / connected to any transmitter

5. Set into operationConnecting transmitter and receiver

5.1.1 Connecting the transmitter



Please mount the transmitter of the Module No.2 in the upper assembly and connect antennas, video source and power supply / voltage source.

- 1.) Assemble the transmitter (TX) in the upper assembly unit provided for this purpose
- 2.) Connect the transmitter (TX) with the Antennas (2x Antenna-Cable)
- 3.) Connect the transmitter (TX) with the video source (eg. Camera with LVDS connection)
- 4.) Connect the transmitter (TX) with the power supply / voltage source.
 - the voltage source / the plug-in connector of the module provided for this purpose or
 - Power supply unit with 24VDC 10W

5.1.2 Connecting the Receiver



Please mount the receiver of Module No.2 as vertically as possible and in such a way, that the antenna area / heat dissipation are free and not covered.

- 1.) Mount the receiver (RX) at the intended place and align it coarsely.
- 2.) Connect the receiver (RX) to a suitable monitor via SDI or HDMI cable.
- 3.) Connect the receiver (RX) and the supplied plug-in power supply.

5.2 Operating Procedure



Before the transmitter and receiver can connect, they must be paired with each other. This coupling process is called "pairing".

5.2.1 Operating Procedure Transmitter

1) Switch ON / establish power supply

Switch on the upper module in which the transmitter is located, resp. Supply the module with voltage at X7 (see 4.4.2 Transmitter pin assignment).

2) Pairing

Press the S1 button for a few (≥ 3) seconds during normal operation, the pairing process is initiated.

3) Confirmation Pairing Modus

Pairing in progress, the Network LED flashes fast

4) Reset

Press the S2 button for a few (≥ 3) seconds during normal operation, the reset process is initiated.

5) LED indicators

- Network LED indicators and their meaning

OFF	Not registered to Rx/switched off/disconnected/waiting for user response on registration
Slow flashing	Transmitter searches for free frequency to start transmission
Normal flashing	Transmitter tries to establish a wireless connection with the receiver
Fast flashing	Pairing in progress or system error (the video LED also flashes).
ON	The radio connection between the transmitter and receiver is switched on and stable

- Video LED indicators and their meaning

Fast flashing (error)	Unsupported input resolution or system error (the link LED also flashes)
Normal flashing	No valid video signal detected
OFF	No video received
ON	Video received

5.2.2 Operating Procedure Receiver

1) Switch On

Press and hold the **ON/OFF** key for at least 2 seconds

>> **ON/OFF** key is lit.

>> on the Display (Information Section) the current connection frequency is shown.

>> the status display shows one of the following states:

>> **Connecting, Connected, Disconnected, Wireless OFF.**

2) Firmware Version

Press **Selection** button

>> on the Display (Information Section) the installed firmware version is shown.

>> the status display shows one of the following states:

>> **Connected, Disconnected, Wireless off.**

3) Hardware Version

Press **Selection** button again

>> on the Display (Information Section) the installed hardware version is shown.

>> the status display shows one of the following states:

>> **Connected, Disconnected, Wireless off.**

4) Pairing Modus



*Before the transmitter and receiver can connect,
they must be paired with each other.
This coupling process is called "pairing".*

Press **Selection** button again

Option Pairing with a transmitter in pairing mode.

>> on the Display (Information Section) **Start Pairing** is shown.

>> the status display shows one of the following states:

>> **Connected, Disconnected, Wireless off.**

5) Confirmation of Start Pairing Modus

Start Pairing by pressing and holding (≥ 2 s) the **Selection** button.

The receiver tries to connect to a transmitter that is in pairing mode.
The Link LED flashes green in this mode.

>> on the Display (Information Section) **Start Pairing** is shown.

>> the status display shows one of the following states:

>> **Pairing**, as long as the receiver tries to connect to the transmitter

>> **Disconnected**, if the connection with a transmitter failed

>> **Connected**, when the receiver has connected to a transmitter.

6) Remove existing pairing

Press **Selection** button again

Option Remove existing pairing

>> on the Display (Information Section) **Remove Pairing** is shown.

>> the status display shows one of the following states:

>> **Connected, Disconnected, Wireless off.**

7) Confirmation Remove Pairing

Remove active pairing, confirm by pressing and holding (≥ 2 s) the **Selection** button

The receiver disconnects from his connected transmitter.

>> on the Display (Information Section) **Remove Pairing** is shown.

>> the status display shows **Disconnected**,
if all active connections was deleted.

8) Another short press on the **Select** button

Press **Selection** button again

>> The condition as after switching on the device is restored (see point 1)

9) Switch OFF

Press and hold the **ON/OFF** key for at least 2 seconds

>> The illumination of the **ON/OFF** button will go dark.

>> The display goes dark.



This function is possible in any state of the device.

5.3 Transmission Range

Transmission range may vary due to environmental circumstances, radio wave conditions, buildings or weather conditions.

Signal reception may vary depending on **Modul No.2** placement. Optimal alignment of the system is to place the Receiver vertically where the antenna area remains uncovered





Risk of device malfunction.

Save distance from Transmitter or Shielding of component do not cover Antenna areas

5.4 Error-handling

Error	Cause / source	Solution
The receiver does not output a signal	A binding between transmitter and receiver cannot be established	<ol style="list-style-type: none"> 1. Check that the radio link indicator (5) is lit continuously 2. Check that the transmitter and receiver are paired 3. Check that the distance between the transmitter and receiver is appropriate 4. Check that the video signal indicator on the receiver is on
Even though transmitter and receiver are paired, no video signal is transmitted	Cable connections incorrect	<ol style="list-style-type: none"> 1. Check that the cables are connected correctly 2. Check whether the video signal is valid 3. Check that the video signal indicator on the receiver lites 4. Check that the monitor is switched on
Pairing fails	Transmitter and receiver are too close	Increase the distance between the transmitter and receiver (at least 30 cm)
	Preset assignment started with receiver	Start pairing with the transmitter and then pair the receiver

6. Disposal

	<p>Only EU (and EEA).</p> <p>The crossed-out refuse container symbol on this product or literature indicates that it should not be disposed with other business waste at the end of its working life.</p> <p>The product should be handed in at a designated collection point or to an authorized collection site for recycling waste electrical and electronic equipment (WEEE). Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with WEEE. At the same time, the correct disposal of this product will contribute to the effective use of natural resources.</p> <p>For more information about where to drop waste equipment for recycling, please contact your local city office, waste authority, approved WEEE scheme or your household waste disposal service.</p>
Check your regional and country specific Electronic Waste Rules before dispose parts of the product	
	<p>Note about recycling</p> <p>Please do not throw the packaging into the household waste, but recycle them if possible.</p>

7. Country-specific radio type label & statement add-on's in the user manual

The red text and the inserted labels are going to be adjusted depending on the approvals.

7.1 Statements – Country-specific

7.1.1 Label / Statement for FCC (USA)



WLV.TX: contains FCC ID: XXXX-XXXXXXXXX

WLV.RX: contains FCC ID: XXXX-XXXXXXXXX

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference,
- (2) this device must accept any interference received,
including interference that may cause undesired operation.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator and you body.

Each device must not be co-located or operating in conjunction with any other antenna or transmitter.

§15.407: FCC regulations restrict operation of these devices to indoor use only. The operation of these devices is prohibited on oil platforms, cars, trains, boats, and aircraft, except that operation of these devices is permitted in large aircraft while flying above 10.000 feet.

7.1.2 Label / Statement for ISED (Canada)



WLV.TX: contains IC: XXXXX-XXXXXXXXXX

WLV.RX: contains IC: XXXXX-XXXXXXXXXX

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s).

Operation is subject to the following two conditions:

- (1) This device may not cause interference
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

This device complies with Canadian RSS-248, issue 2, third parties are not able to reprogram the device to operate outside the certified parameters.

Cet appareil contient des émetteurs / récepteurs exemptés de licence conformes aux RSS (RSS) d'Innovation, Sciences et Développement économique Canada.

Le fonctionnement est soumis aux deux conditions suivantes:



- (1) Cet appareil ne doit pas causer d'interférences
- (2) Cet appareil doit accepter toutes les interférences, y compris celles susceptibles de provoquer un fonctionnement indésirable de l'appareil.

Cet appareil est conforme à la norme canadienne RSS-248, numéro 2. Les tiers ne sont pas en mesure de reprogrammer l'appareil pour qu'il fonctionne en dehors des paramètres certifiés.

RSS-247: The devices for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

RSS-247: Les dispositifs fonctionnant dans la bande 5150-5250 MHz sont uniquement destinés à une utilisation à l'intérieur des bâtiments afin de réduire les risques d'interférences nuisibles avec les systèmes mobiles par satellite à canaux multiples.

RSS-248: Operation on oil platforms, automobiles, trains, maritime vessels and aircraft shall be prohibited except for on large aircraft flying above 3.048 m (10.000 ft).

RSS-248: L'utilisation sur les plates-formes pétrolières, les automobiles, les trains, les navires et les avions est interdite, à l'exception des grands avions volant à plus de 3,048 m (10 000 pieds).

This equipment should be installed and operated with minimum distance 20 cm between the radiator and you body.

Cet appareil doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps.

7.1.3 Statement for Mexico



"IFT: xxxxxxxxxxxxxx"

"La operación de este equipo está sujeta a las siguientes dos condiciones:

- (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y
- (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

7.1.4 NCC Warning Statement for Taiwan



CC XX xx YY yyy Z z W

根據NCC低功率電波輻射性電機管理辦法 規定:

第十二條 經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條 低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前項合法通信，指依電信法規定作業之無線電通信。

低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

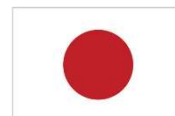
7.1.5 Warning for Brazil



ANATEL ID: XXXXX-XX-XXXXX

Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados. Para maiores informações, consulte o site da ANATEL

7.1.6 Label / Statement for Japan (ONLY in this User Manual)



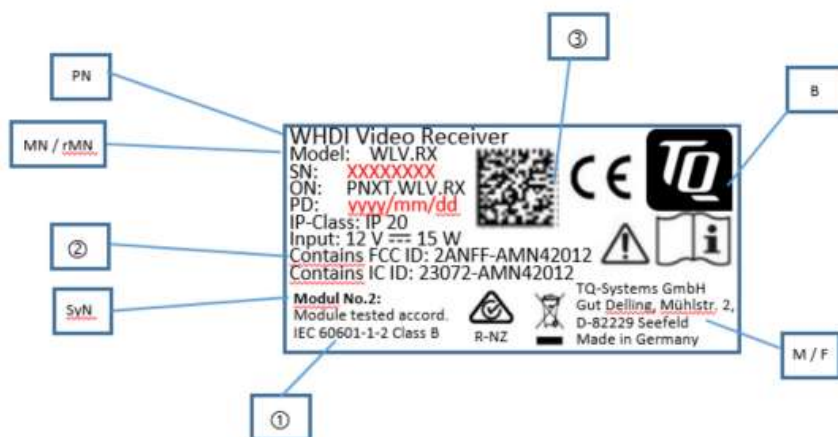
当該機器には電波法に基づく、技術基準適合証明等を受けた特定無線設備を装着している。

Translation:

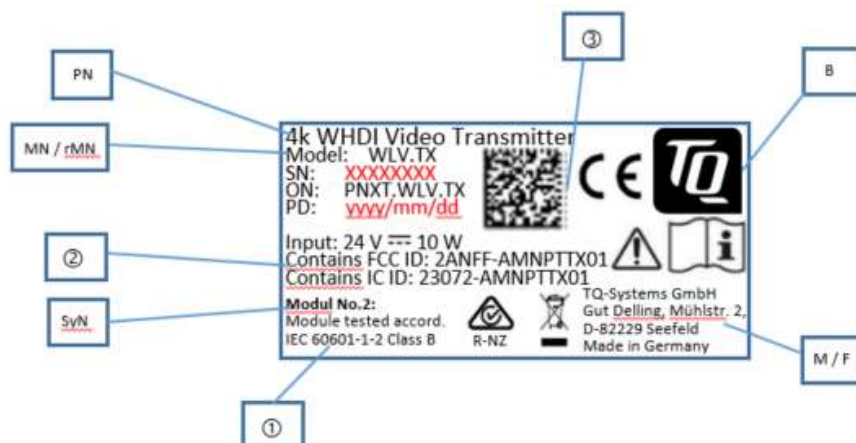
This equipment contains specified radio equipment that has been certified to the Technical Regulation Conformity Certification under the Radio Law.

7.2 Type Labels





7.2.1 Type Label RX (view enlarged)



7.2.2 Type Label TX



7.2.3 Label legend RX & TX

Code	Description	Code	Description
B	Brand (Logo or Text)	SN	Serial number
M	Manufacturer	ON	Order number/code
F	Factory	PD	Production date (yyyy/mm/dd)
PN	Product name	Input	Rating; Connection values; Symbol
MN	Model name	IP	IP-Class
rMN	regulatory Model name	SyN	System name
CE	European conformity		ISO 7000 - 1641, Operating Instruction
	ISO 7000 - 0434B, Caution		Australia and New Zealand Logo
	European Union WEEE Directive Disposal Logo	$\overline{\text{---}}$	Symbol; direct current /DC
①	Additional information	②	FCC & IC-ID No.
③	TQ Manufacturing-2D Code (Exemplary)	----	N/N

Type labels are inserted according to the respective country approvals

7.3 Country specific Logos & ID's

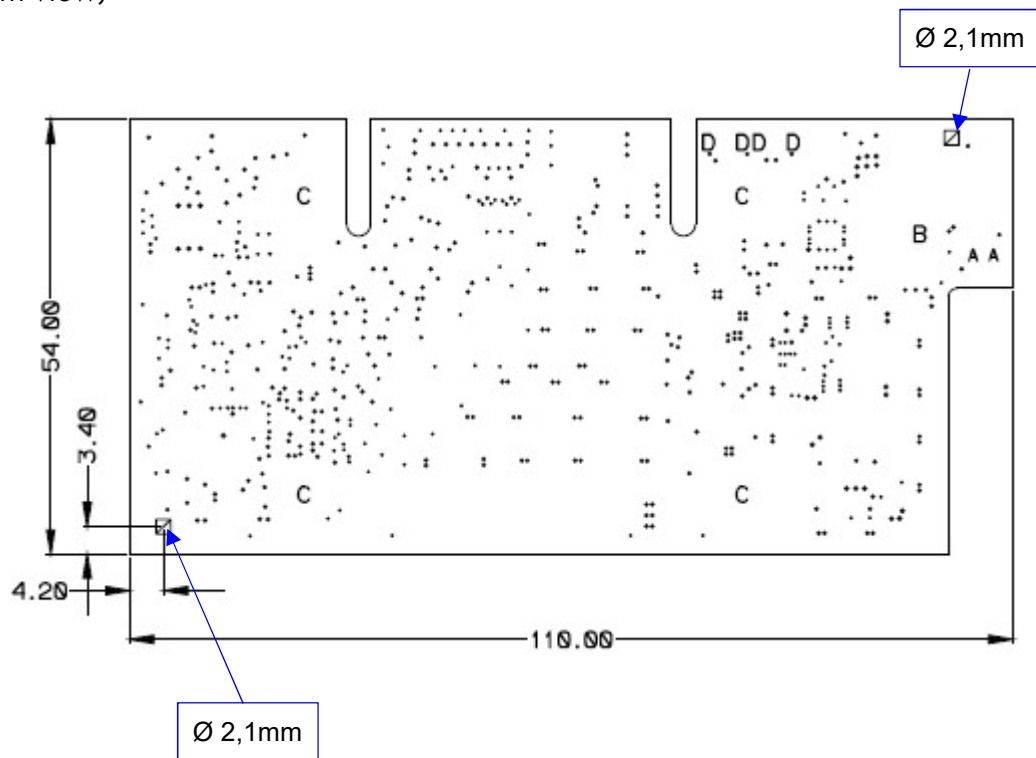
exemplary presentation

DRAFT:



8. Dimensions & Mounting holes of built in parts

Dimensions and Mounting holes of built in transmitter (in mm)
(bottom view)



overall height (heatsink & PCB) = ~23,5 mm

9. Declaration of Conformity

A copy of the declaration of conformity will be inserted after completion of the product approval tests

10. Change history

Revision	Date	Edited	Changes (listing)
0100	2023-07-24	Heinlein, Rudolf	Initial creation
0101	2023-08-16	Heinlein, Rudolf	Type Label & Japan Logo inserted
0102	2023-08-25	Heinlein, Rudolf	Corrections and additions done to FCC & IC statements
0103	2023-08-30	Heinlein, Rudolf	Corrections done to FCC, IC & Japan statements
0104	2023-11-03	Nießner, Steven	Corrections chapter 7.
0105	2024-01-18	Nießner, Steven	<ul style="list-style-type: none"> - Safety instructions 2 new points - Chapter 4.4 changed - Chapter 7.1.1 changed - Chapter 7.1.2 changed - Chapter 7.1.6 changed - Chapter 7.2.1 changed - Chapter 7.2.2 changed - Chapter 7.2.3 changed - Chapter 7.3 changed