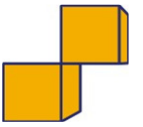


# Twisted Wire Audio System BREAK-TWA



**MIC**

**TX**

**RX**

**RX8**

- **TWA-MIC\*** is an outdoor microphone with symmetrical output directly to the UTP cable
- **TWA-TX** is a single-channel transmitter with CINCH input, BOX design
- **TWA-RX** 1-channel receiver indoor BOX
- **BREAK-RX8** is an 8-channel receiver with installation to 19" rack, BIAS outputs

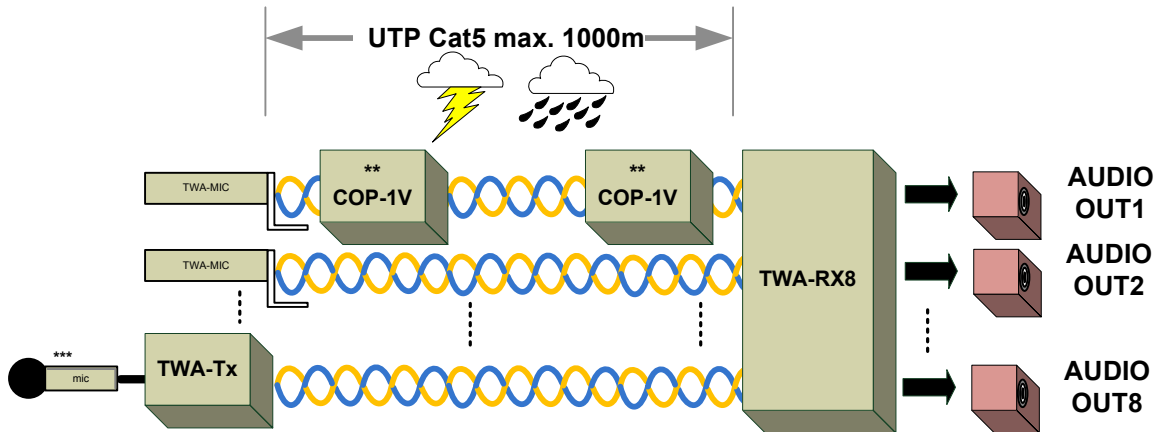
- | Microphones with ALC and noise reduction
- | Fine overvoltage protections
- | Symmetrical audio signal transmission

\* connection across 2m cable LI2YCYv 4x2x0,22

ORDERING NAME	CODE
BREAK-TWA-MIC/12-24	3-100-722
BREAK-TWA-TX-BOX/12	3-100-454
BREAK-TWA-RX-BOX/12	3-100-452
BREAK-TWA-RX8-UNIT/12-24	3-100-451

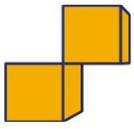
	Parameter	Value	Unit	Note
MIC	Bandwidth	200 – 7 000	Hz	
	Int. (Ext.) supply from RX8	10-30	VDC	BIAS (+) red, – pink
	Ext. supply VAC	10-30	VAC	red and blue
	SNR	min.60	dB	
	Consumption	max. 60	mA	12VDC
	Overvoltage protections	fine		
RX, RX8	Input level	max. 4	Vpp	
	Bandwidth	20 -20000	Hz	minimum range
	Gain	0...-60	dB	
TX, RX, RX8	Supply	10-16 / 10-30	VDC / VDC-AC	RX(TX) / RX8 - max. 2 VA
Environment	Operational range	-40...+75 (-20...+60)	°C	(MIC)
Mechanical	Dimensions - w / h / l	MIC: 34 / 30 / 100	mm	
		RX8: 19" / 1U / 22	mm	
		TX: 34 / 23 / 45	mm	
		RX: 43 / 30 / 65	mm	

The producer retains the right to change any technical parameters without previous announcement.

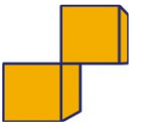


\*\* complementary overvoltage protection

\*\*\* any microphone



# Twisted Wire Audio System BREAK-TWA



## Installation and Setting

### 1.) Mounting of converters

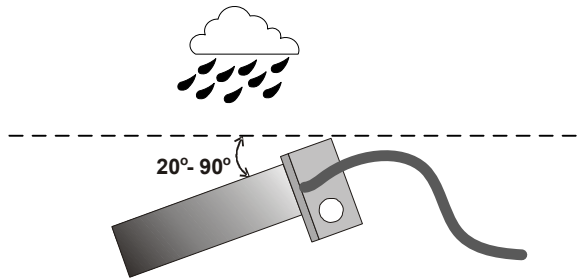
**MIC** – screw the microphone to surface using the slot at the backside. We recommend to install the microphones with 20° - 90° slope in the outdoor (raining) conditions.

**RX8** – patch panel for mounting into 19" frame.

**TX** – small BOX design, also suitable for installation to camera covers

**RX** – BOX design, mounting on flat surface

### MIC MOUNTING IN THE OUTDOOR ENVIRONMENT



Cable interrupting signalisation  
max 0.4A/12VDC

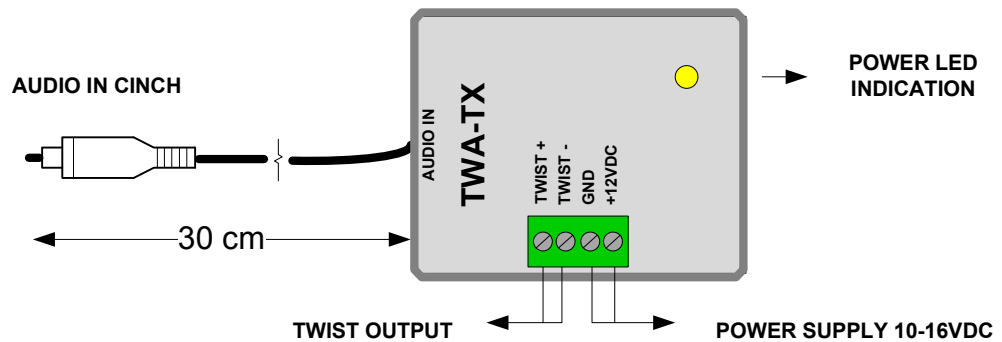
(nonpotential wires)



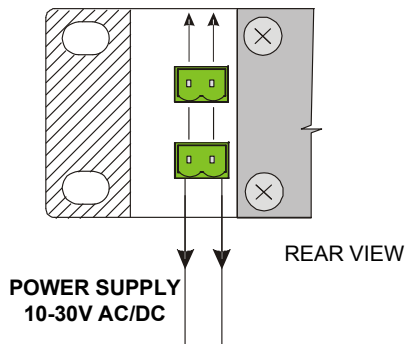
### 2.) Connection of supply and signal wires

Connect supply and signal wires according to the pictures below.

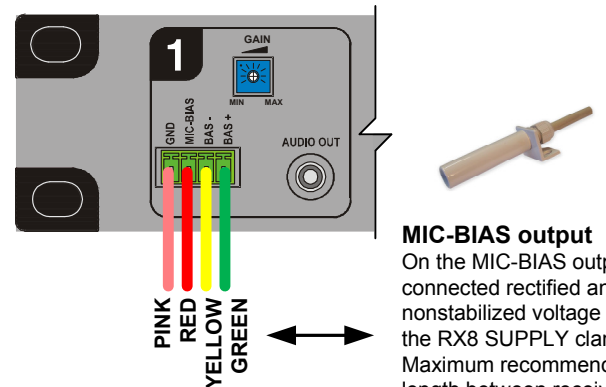
#### BREAK-TWA-TX SUPPLY



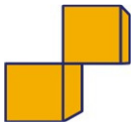
#### BREAK-TWA-RX8-UNIT SUPPLY



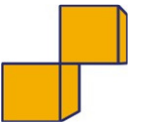
#### INTERNAL SUPPLY 10-16VDC FOR BREAK-TWA-MIC



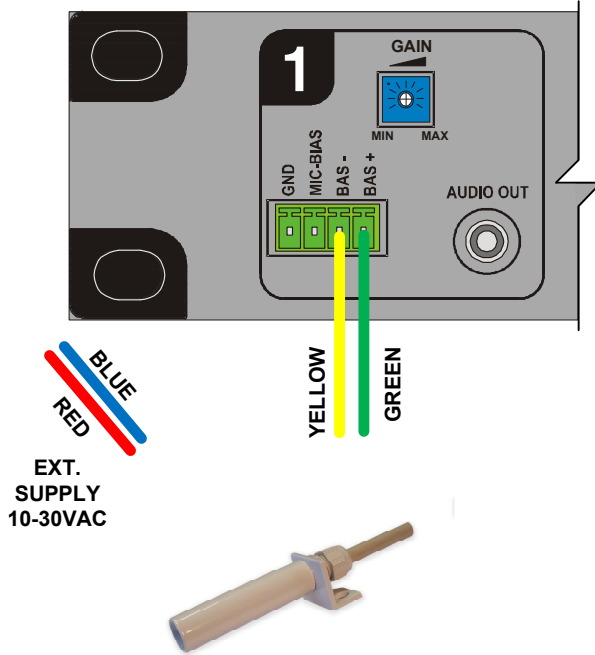
**MIC-BIAS output**  
On the MIC-BIAS output is connected rectified and nonstabilized voltage from the RX8 SUPPLY clamps. Maximum recommended length between receiver and the powered microphone is 300m for 12-16VDC SUPPLY voltages.



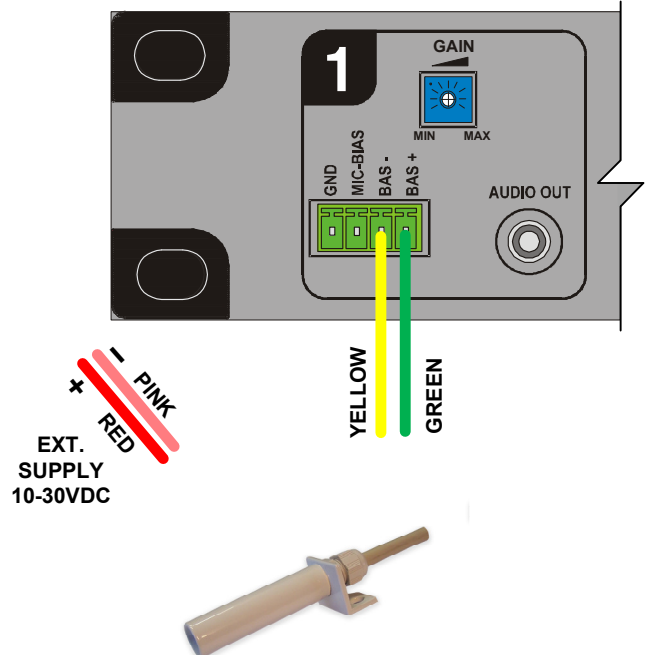
# Twisted Wire Audio System BREAK-TWA



## EXTERNAL SUPPLY FOR BREAK-TWA-MIC VAC

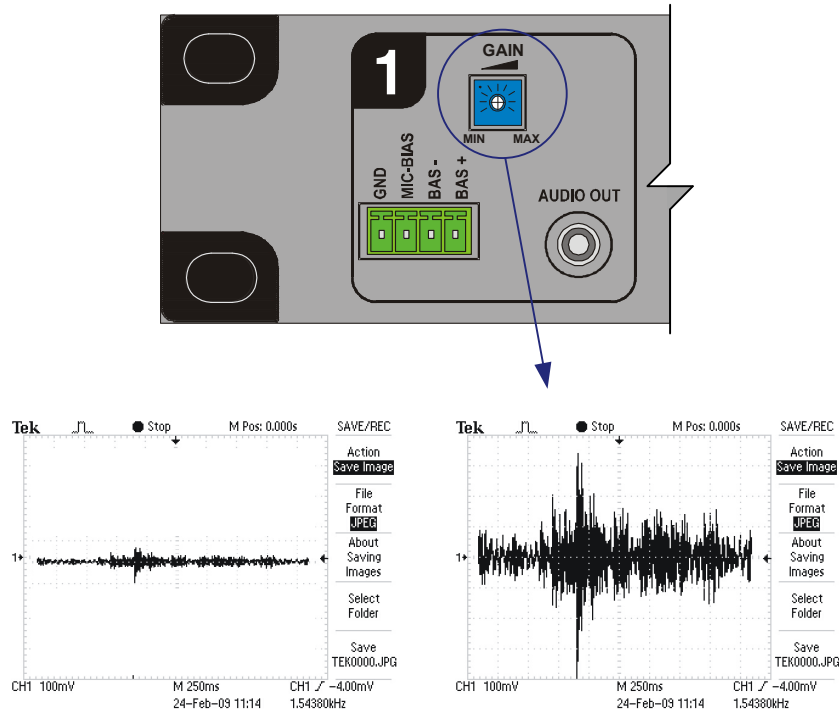


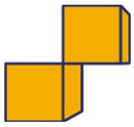
## EXTERNAL SUPPLY FOR BREAK-TWA-MIC VDC



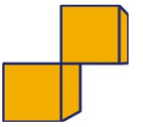
### 3.) Output level setting

Using the GAIN trimmers on the RX8 receivers, set the desired audio signal output levels.

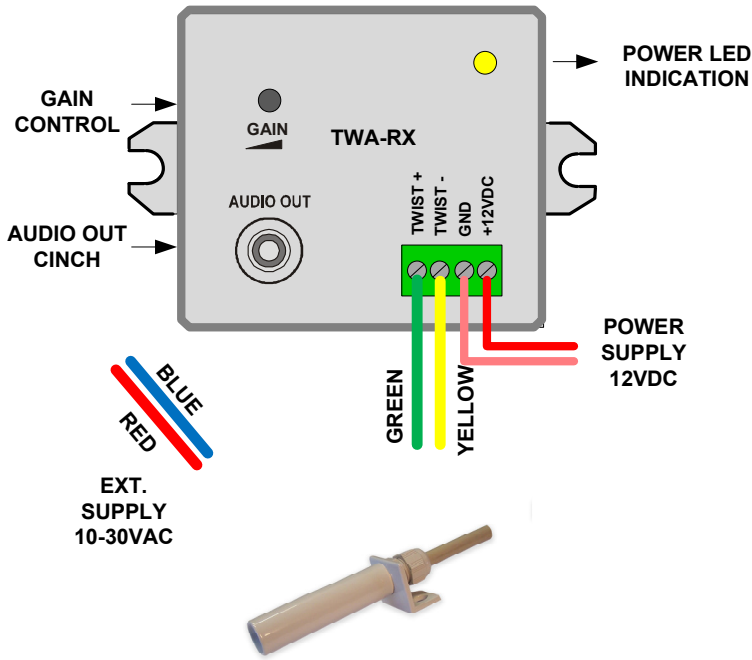




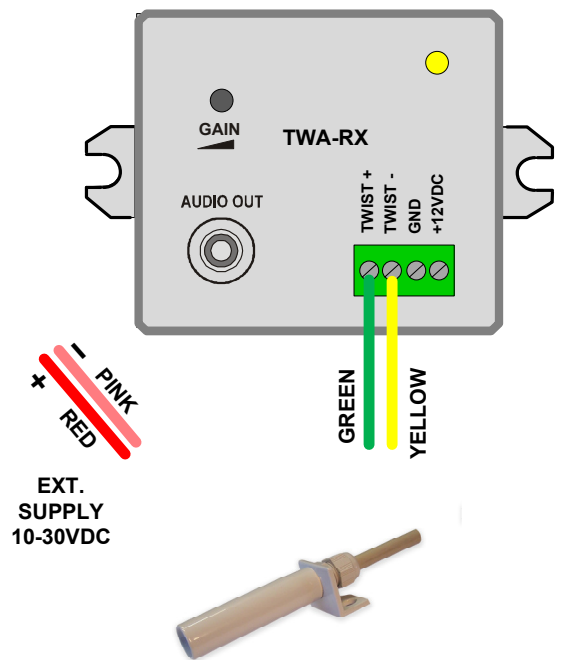
# Twisted Wire Audio System BREAK-TWA



EXTERNAL SUPPLY FOR BREAK-TWA-MIC VAC



EXTERNAL SUPPLY FOR BREAK-TWA-MIC VDC



#### 4.) Output level setting

Using the GAIN trimmer on the RX receivers, set the desired audio signal output levels.

