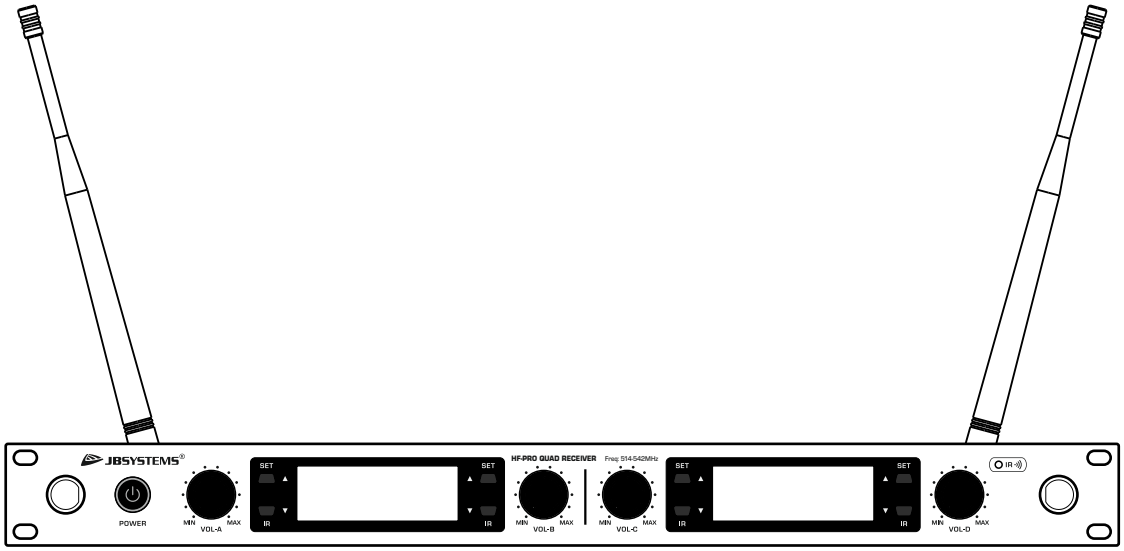
HF-PRO QUAD RECEIVER



ENGLISH

Operation Manual

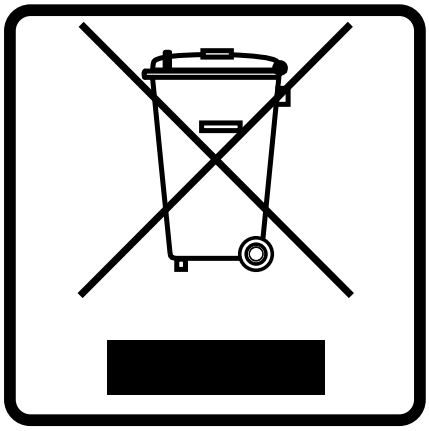
Other languages can be downloaded from:
WWW.JB-SYSTEMS.EU

CE

Version: 1.1

JBSYSTEMS





EN - DISPOSAL OF THE DEVICE
Dispose of the unit and used batteries in an environment friendly manner according to your country regulations.

FR - DÉCLASSER L'APPAREIL
Débarrassez-vous de l'appareil et des piles usagées de manière écologique
Conformément aux dispositions légales de votre pays.

NL - VERWIJDEREN VAN HET APPARAAT
Verwijder het toestel en de gebruikte batterijen op een milieuvriendelijke manier conform de in uw land geldende voorschriften.

DU - ENTSORGUNG DES GERÄTS
Entsorgen Sie das Gerät und die Batterien auf umweltfreundliche Art und Weise gemäß den Vorschriften Ihres Landes.

ES - DESHACERSE DEL APARATO
Reciclar el aparato y pilas usadas de forma ecologica conforme a las disposiciones legales de su pais.

PT - COMO DESFAZER-SE DA UNIDADE
Tente reciclar a unidade e as pilhas usadas respeitando o ambiente e em conformidade com as normas vigentes no seu país.

USER MANUAL

Thank you for buying this JB Systems® product. To take full advantage of all possibilities, please read these operating instructions very carefully.

FEATURES

This device carries the prescribed CE marking. It was tested for this purpose in a specialized CE lab and fully complies with all currently valid European and national standards. The corresponding CE conformity declarations can be found on the product page of this product on our website.

- Quadruple PLL/UHF wireless microphone receiver used in combination with:
  - HF-PRO MIC: full metal wireless hand microphone (order code : B08317)
  - HF-PRO BPACK: belt-pack and lavalier microphone (order code : B08316)
- Can be combined with the microphone combinations you need:
  - 4 x HF-PRO MIC
  - 4 x HF-PRO BPACK
  - 2 x HF-PRO MIC + 2 x HF-PRO BPACK
  - …
- 2 LCD displays for easy setup
- 2 USB-5V outputs : can be used to charge optional AA-accus.
- Belt-pack and hand microphone can both be used with rechargeable batteries!
- 4 x 100 Frequencies with IR-SYNC technology : easy plug and play!
  - Receiver A : channel 1 to 100
  - Receiver B : channel 101 to 200
  - Receiver C : channel 201 to 300
  - Receiver D : channel 301 to 400
- 4 separate balanced XLR outputs with gain control
- 1 x 6.3mm jack output with mixed signal
- Frequency range: 514-542MHz (4G compatible) (free use in BEL, NL, FR, LUX, SWISS * other: license required)

BEFORE USE

- Before you start using this unit, please check if there's no transportation damage. Should there be any, do not use the device and consult your dealer first.
- **Important:** This device left our factory in perfect condition and well packaged. It is absolutely necessary for the user to strictly follow the safety instructions and warnings in this user manual. Any damage caused by mishandling is not subject to warranty. The dealer will not accept responsibility for any resulting defects or problems caused by disregarding this user manual.
- Keep this booklet in a safe place for future consultation. If you sell the fixture, be sure to add this user manual.
- To protect the environment, please try to recycle the packing material as much as possible.

Check the contents:

Check that the carton contains the following items:

- User manual
- 1x HF-PRO QUAD RECEIVER
- 1x mains DC power adapter

SAFETY INSTRUCTIONS:






CAUTION: To reduce the risk of electric shock, do not remove the top cover. No user-serviceable parts inside. Refer servicing to qualified service personnel only.



The lightning flash with arrowhead symbol within the equilateral triangle is intended to alert the use or the presence of un-insulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within the equilateral triangle is intended to alert the user to the presence of important operation and maintenance (servicing) instructions in the literature accompanying this appliance.



This symbol means: indoor use only

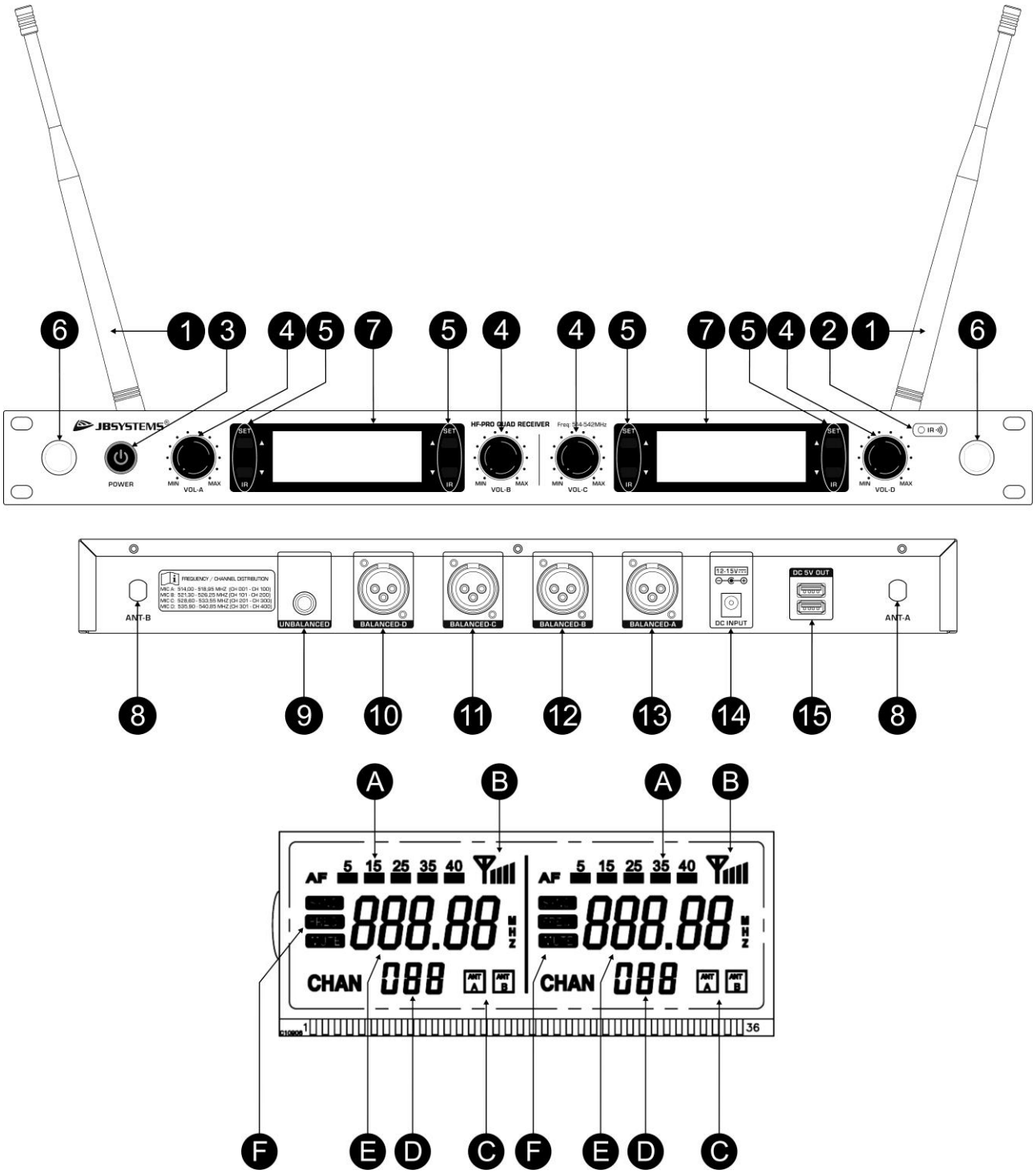


This symbol means: Read instructions

- This appliance is intended for use in moderate climates.
- To prevent fire or shock hazard, do not expose this appliance to rain or moisture.
- To avoid condensation forming inside, allow the unit to adapt to the surrounding temperatures when bringing it into a warm room after transport. Condense sometimes prevents the unit from working at full performance or may even cause damage.
- This unit is for indoor use only.
- Don’t place metal objects or spill liquid inside the unit. No objects filled with liquids, such as vases, shall be placed on this appliance. Electric shock or malfunction may result. If a foreign object enters the unit, immediately disconnect the mains power.
- No naked flame sources, such as lighted candles, should be placed on the appliance.
- Don’t cover any ventilation openings as this may result in overheating.
- Prevent use in dusty environments and clean the unit regularly.
- Keep the unit away from children.
- Inexperienced persons should not operate this device.
- Maximum ambient temperature is 40°C. Don’t use this unit at higher ambient temperatures.
- Minimum distance around the apparatus for sufficient ventilation is 5cm.
- Always unplug the unit when it is not used for a longer time or before you start servicing.
- The electrical installation should be carried out by qualified personnel only, according to the regulations for electrical and mechanical safety in your country.
- Check that the available voltage is not higher than the one stated on the rear panel of the unit.
- The socket inlet shall remain operable for disconnection from the mains.
- The power cord should always be in perfect condition. Switch the unit immediately off when the power cord is squashed or damaged. It must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Never let the power cord come into contact with other cables!
- In order to avoid a hazard, the unit shall only be used with the AC-adaptor delivered with it. If the AC-adaptor is damaged, a same model adaptor shall be used only.
- When the power switch is in OFF position, this unit is not completely disconnected from the mains!
- This CLASS I appliance must be connected to MAINS socket outlet with a protective earth connection in order comply with safety regulations.
- In order to prevent electric shock, do not open the cover. Apart from the mains fuse there are no user serviceable parts inside.
- **Never** repair a fuse or bypass the fuse holder. **Always** replace a damaged fuse with a fuse of the same type and electrical specifications!
- In the event of serious operating problems, stop using the appliance and contact your dealer immediately.
- Please use the original packaging when the device is to be transported.
- Due to safety reasons, it is prohibited to make unauthorized modifications to the unit.
- This appliance or its remote control contains batteries:
  - Attention should be drawn to the environmental aspects of battery disposal: check the regulations in your country for proper recycling.

CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type. The battery shall never be exposed to excessive heat such as sunshine, fire, …

RECEIVER FUNCTIONS



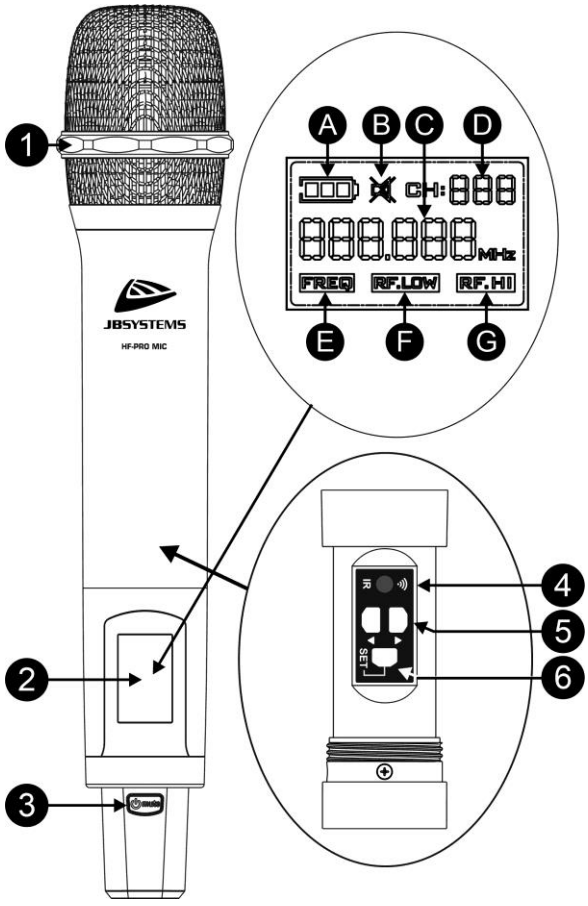
1. **ANTENNAS:** Fixed-length UHF antennas mounted on the back of the receiver. Put these in vertical position during use. The antennas can also be mounted on the front panel (6).
2. **IR INDICATOR:** used to send the selected channel to the microphone(s) to connect with.
3. **POWER switch:** used to turn on and off the receiver.
4. **VOLUME KNOBS A-B-C-D:** used to adjust the audio output levels of receivers A-B-C-D.
5. **"IR"- "SET" KNOBS A-B-C-D:** used to send the chosen channel information (Freq.) from receivers A-B-C-D to the microphone to work with.
6. **MOUNTING HOLE FOR ANTENNA:** used to put the antennas on the front panel.
7. **DISPLAY:** shows the information (channel, frequency, RF and AF level) from the receivers (A, B, C, D).
   - **A.** RF-level / AF-level indicators

   - **B.** : antenna symbol. Shows the level of the RF-signal for each receiver.
   - **C.** antenna symbol. Shows the antenna (A or B) that receives the RF-signal for each receiver.
   - **D.** Channel number indicator. Shows the channel number the connected microphone/beltpack is working on.
   - **E.** Frequency indicator. Shows the corresponding frequency of the channel.
   - **F.** SYNQ-FREQ-MUTE indicators.
8. **ANTENNA CONNECTOR:** used to mount the antennas on the back of the receiver.
9. **UNBALANCED:** 6.3mm jack connector. On this connector there is a mixed signal from all the receivers (A, B, C, D).
10. **BALANCED D:** Balanced male XLR audio output connector from receiver D. Connect it with a balanced audio cable to your mixer or pre-amplifier.
11. **BALANCED C:** Balanced male XLR audio output connector from receiver C. Connect it with a balanced audio cable to your mixer or pre-amplifier
12. **BALANCED B:** Balanced male XLR audio output connector from receiver B. Connect it with a balanced audio cable to your mixer or pre-amplifier.
13. **BALANCED A:** Balanced male XLR audio output connector from receiver A. Connect it with a balanced audio cable to your mixer or pre-amplifier.
14. **DC INPUT:** DC input connector for the supplied 12V AC/DC adapter
15. **USB 5V DC OUTPUT :** 2 USB 5V outputs for charging optional accus.

HF-PRO MIC HANDHELD MICROPHONE FUNCTIONS

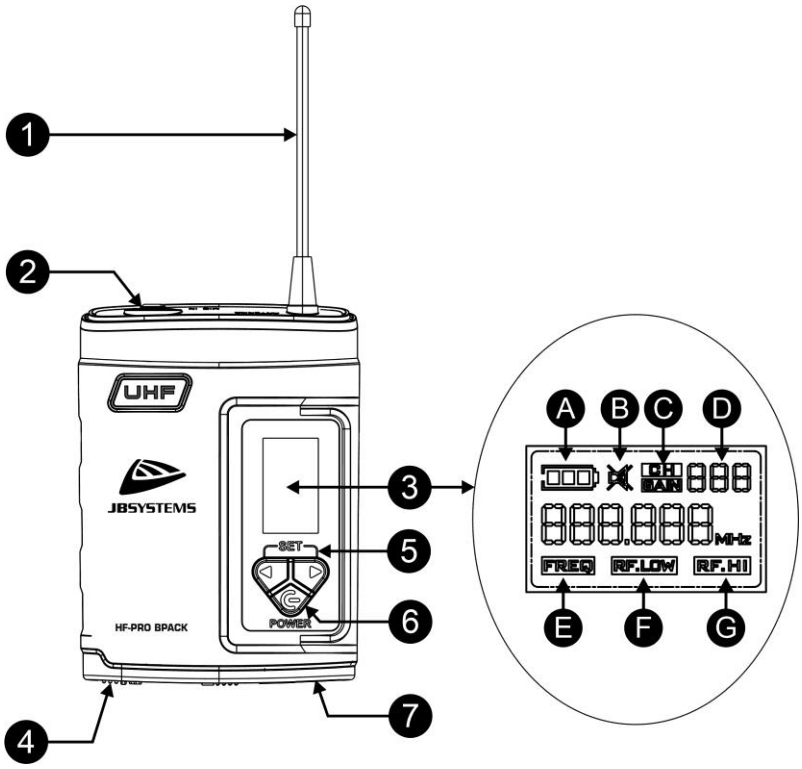
1. **GRILL:** Protects the unidirectional microphone capsule and helps reduce breath sounds and wind noises.
2. **DISPLAY:** shows the channel, frequency, RF-level and the battery status of the microphone.
   - A. Battery icon : shows the battery status.
   - B. Mute symbol
   - C. Frequency
   - D. Channel number
   - E. FREQ
   - F. RF LOW
   - G. RF HI
3. **ON/-OFF/MUTE SWITCH:** to turn the HF-PRO MIC on and off or to mute the output.
4. **IR SENSOR:** receives the IR-signal from the HF-PRO QUAD RECEIVER during setup of the chosen channel to work on.
5. ▲/▼ KNOBS: used to select the desired RF-output (HI/LOW) or to increase/decrease the channel number.
6. **SET KNOB:** used to switch the power from the RF-signal from LOW (5dBm -3,16mW) to HI (10dBm-10mW) or to change the channel.

BATTERY COMPARTMENT: Insert two 1.5V AA rechargeable or dry (Alkaline) batteries into the compartment by unscrewing the battery cover gently and slide it down. Make sure that the polarity of the batteries is correct.



HF-PRO BPACK BELT PACK FUNCTIONS

1. **ANTENNA:** Permanently connected helical antenna.
2. Mini-jack with screw thread : The included electret lavalier microphone (or optional headset) is inserted into this connector.
3. **DISPLAY:** shows the channel, the frequency, RF-level and the battery status of the beltpack.
   A. Battery icon : shows the battery status
   B. Mute symbol
   C. CH/GAIN symbol
   D. Channel number
   E. FREQ
   F. RF LOW
   G. RF HI
4. **BATTERY COMPARTMENT:** Insert two 1.5V AA rechargeable or dry (Alkaline) batteries into the compartment by pushing and sliding the cover towards the IR-sensor. Make sure that the polarity of the batteries is correct
5. **"SET" KNOBS:** used to increase/decrease the audio output level (gain), select a channel or change the RF-level (LOW-HI)
6. **ON-OFF/SELECT SWITCH:** to turn the HF-PRO BPACK on and off or to select a menu topic to be changed (channel, gain, RF-LOW/RF-HI).
7. **IR SENSOR:** receives the IR-signal from the HF-PRO TWIN DIVERSITY during setup of the chosen channel to work on.



INSTALLATION GUIDELINES:

- Install the receiver in a ventilated location where it will not be exposed to high temperatures or humidity.
- Placing and using the unit for long periods near heat-generating sources such as amplifiers, spotlights, etc. will affect its performance and may even damage the unit.
- To avoid condensation to be formed inside, allow the unit to adapt to the surrounding temperatures when bringing it into a warm room after transport. Condense sometimes prevents the unit from working at full performance.
- Also check the extra notes in the chapter "SETUP and CONNECTIONS"

INSTALLING THE RECEIVER:

Put both antennas in vertical position and connect the receiver as described in the chapter "setup and connections".

SETUP AND CONNECTIONS

! Some important notes before we start !

- The HF-PRO QUAD RECEIVER can be used with four transmitters (handheld mic / belt pack) at the same time.
- Receiver and transmitter(s) should always use the same channel settings (frequency)!
- The maximum working distance between receiver and transmitter(s) is 40 meters. (depending on the ambient conditions)
- To minimize interferences install the receiver away from big metal surfaces/objects, TV and other wireless appliances as much as possible.
- Try to minimize the number of obstructions (thick concrete walls, big metal objects, …) in the path between the transmitter and receiver.

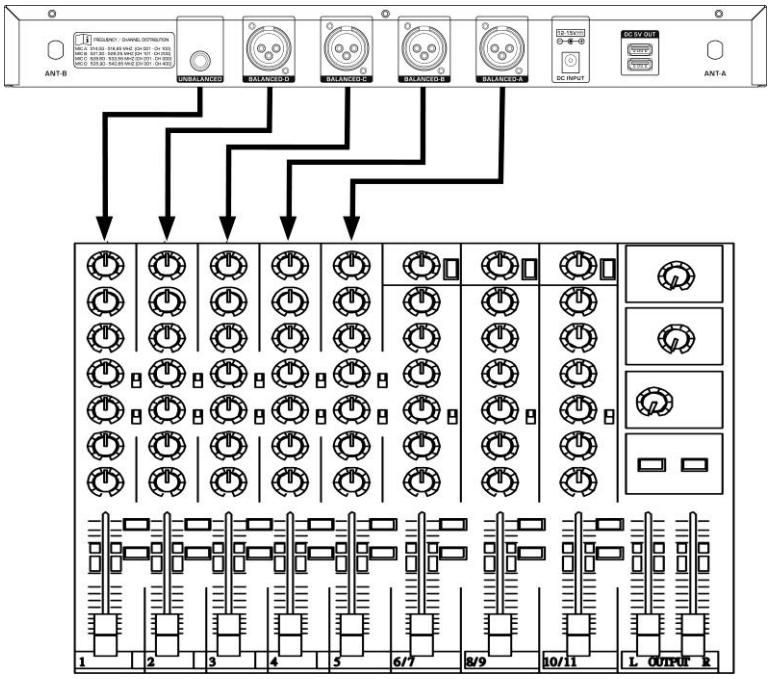
- Depending on the chosen channels and ambient conditions, up to 8 transmitters (2 receivers) can be used simultaneously.

RECEIVER – AUDIO CONNECTIONS

First determine which audio inputs are available on your mixer, next decide how to connect the receiver:

- **To a balanced MIC-input of the audio mixer:** close the gain of the mixer input. Use an XLR/XLR cable to connect the receiver A "XLR-output (13)". Do the same for receiver B by using XLR-output (12), receiver C (11) and receiver D (10) if you will use up to 4 microphones. Switch the transmitter(s) (hand mic/belt pack) on and bring the input gain(s) of the mixer slowly up.
- **To a balanced LINE-input of the audio mixer:** close the gain of the mixer input. Use an XLR/XLR cable to connect the receiver A "XLR-output (13)". Do the same for receiver B by using XLR-output (12), receiver C (11) and receiver D (10) if you will use up to 4 microphones. Switch the transmitter(s) (hand mic/belt pack) on and bring the input gain(s) of the mixer slowly up.
- **To an unbalanced LINE-input of the audio mixer or hifi stereo set:** close the gain of the mixer input. Use a 6.3mm JACK/JACK cable to connect the "AUX" output (9)" to a line input of the mixer. Switch the transmitter (hand mic/belt pack) on and bring the input gain of the mixer slowly up. The signal on the "AUX" connector is a mix from the signals from receiver A, B, C and D.

***NOTE:** don't use the balanced and unbalanced outputs together, this will results in signal loss and increased noise.*



HF-PRO QUAD RECEIVER SETUP

Note: Even if the transmitters and receiver have 400 channels, you cannot use all these channels at the same time: depending on the situation you will be able to use maximum 2 sets (8 microphones) together.
While setting up more than one system, you should choose different channels for each set. It's important that you never choose consecutive channels. Instead try to divide the channels evenly over the 400 possibilities: First setup one system and leave it switched on. Setup the second system and check if it interferes with the first one (unwanted buzz noises etc.). In case of interferences, select another channel for your 2nd set and try again until everything works well and leave the set switched on. Repeat this for all the other microphones you want to use simultaneously.

- Switch on the HF-PRO QUAD RECEIVER by pressing the POWER switch (3).
- Select a channel (1-100) for receiver A, a channel (101-200) for receiver B, a channel (201-300) for receiver C and a channel (301-400) for channel D.
  - To setup the channel for the receivers (A,B,C,D), press the "SET" knob (5) of the corresponding channel for about 2 seconds. The channel number indicator (F) will start blinking. While this indicator is blinking you can select the desired channel by pressing shortly the "SET" knob (5) until the right channel appears on the display.

- Wait for about 3 seconds until the blinking stops.
- The receiver (A,B,C or D) is on the desired channel now.
- Do the same for every receiver by using the corresponding “SET” knob (5) if you want to use up to 4 microphones simultaneously.
- Channel Frequencies:

CH	CH A (MHz)	CH	CH B (MHz)	CH	CH C (MHz)	CH	CH D (MHz)
1	514	101	521,3	201	528,6	301	535,9
2	514,05	102	521,35	202	528,65	302	535,95
3	514,1	103	521,4	203	528,7	303	536
4	514,15	104	521,45	204	528,75	304	536,05
5	514,2	105	521,5	205	528,8	305	536,1
6	514,25	106	521,55	206	528,85	306	536,15
7	514,3	107	521,6	207	528,9	307	536,2
8	514,35	108	521,65	208	528,95	308	536,25
9	514,4	109	521,7	209	529	309	536,3
10	514,45	110	521,75	210	529,05	310	536,35
11	514,5	111	521,8	211	529,1	311	536,4
12	514,55	112	521,85	212	529,15	312	536,45
13	514,6	113	521,9	213	529,2	313	536,5
14	514,65	114	521,95	214	529,25	314	536,55
15	514,7	115	522	215	529,3	315	536,6
16	514,75	116	522,05	216	529,35	316	536,65
17	514,8	117	522,1	217	529,4	317	536,7
18	514,85	118	522,15	218	529,45	318	536,75
19	514,9	119	522,2	219	529,5	319	536,8
20	514,95	120	522,25	220	529,55	320	536,85
21	515	121	522,3	221	529,6	321	536,9
22	515,05	122	522,35	222	529,65	322	536,95
23	515,1	123	522,4	223	529,7	323	537
24	515,15	124	522,45	224	529,75	324	537,05
25	515,2	125	522,5	225	529,8	325	537,1
26	515,25	126	522,55	226	529,85	326	537,15
27	515,3	127	522,6	227	529,9	327	537,2
28	515,35	128	522,65	228	529,95	328	537,25
29	515,4	129	522,7	229	530	329	537,3
30	515,45	130	522,75	230	530,05	330	537,35
31	515,5	131	522,8	231	530,1	331	537,4
32	515,55	132	522,85	232	530,15	332	537,45
33	515,6	133	522,9	233	530,2	333	537,5
34	515,65	134	522,95	234	530,25	334	537,55
35	515,7	135	523	235	530,3	335	537,6
36	515,75	136	523,05	236	530,35	336	537,65
37	515,8	137	523,1	237	530,4	337	537,7
38	515,85	138	523,15	238	530,45	338	537,75

39	515,9	139	523,2	239	530,5	339	537,8
40	515,95	140	523,25	240	530,55	340	537,85
41	516	141	523,3	241	530,6	341	537,9
42	516,05	142	523,35	242	530,65	342	537,95
43	516,1	143	523,4	243	530,7	343	538
44	516,15	144	523,45	244	530,75	344	538,05
45	516,2	145	523,5	245	530,8	345	538,1
46	516,25	146	523,55	246	530,85	346	538,15
47	516,3	147	523,6	247	530,9	347	538,2
48	516,35	148	523,65	248	530,95	348	538,25
49	516,4	149	523,7	249	531	349	538,3
50	516,45	150	523,75	250	531,05	350	538,35
51	516,5	151	523,8	251	531,1	351	538,4
52	516,55	152	523,85	252	531,15	352	538,45
53	516,6	153	523,9	253	531,2	353	538,5
54	516,65	154	523,95	254	531,25	354	538,55
55	516,7	155	524	255	531,3	355	538,6
56	516,75	156	524,05	256	531,35	356	538,65
57	516,8	157	524,1	257	531,4	357	538,7
58	516,85	158	524,15	258	531,45	358	538,75
59	516,9	159	524,2	259	531,5	359	538,8
60	516,95	160	524,25	260	531,55	360	538,85
61	517	161	524,3	261	531,6	361	538,9
62	517,05	162	524,35	262	531,65	362	538,95
63	517,1	163	524,4	263	531,7	363	539
64	517,15	164	524,45	264	531,75	364	539,05
65	517,2	165	524,5	265	531,8	365	539,1
66	517,25	166	524,55	266	531,85	366	539,15
67	517,3	167	524,6	267	531,9	367	539,2
68	517,35	168	524,65	268	531,95	368	539,25
69	517,4	169	524,7	269	532	369	539,3
70	517,45	170	524,75	270	532,05	370	539,35
71	517,5	171	524,8	271	532,1	371	539,4
72	517,55	172	524,85	272	532,15	372	539,45
73	517,6	173	524,9	273	532,2	373	539,5
74	517,65	174	524,95	274	532,25	374	539,55
75	517,7	175	525	275	532,3	375	539,6
76	517,75	176	525,05	276	532,35	376	539,65
77	517,8	177	525,1	277	532,4	377	539,7
78	517,85	178	525,15	278	532,45	378	539,75
79	517,9	179	525,2	279	532,5	379	539,8
80	517,95	180	525,25	280	532,55	380	539,85
81	518	181	525,3	281	532,6	381	539,9
82	518,05	182	525,35	282	532,65	382	539,95
83	518,1	183	525,4	283	532,7	383	540

84	518,15	184	525,45	284	532,75	384	540,05
85	518,2	185	525,5	285	532,8	385	540,1
86	518,25	186	525,55	286	532,85	386	540,15
87	518,3	187	525,6	287	532,9	387	540,2
88	518,35	188	525,65	288	532,95	388	540,25
89	518,4	189	525,7	289	533	389	540,3
90	518,45	190	525,75	290	533,05	390	540,35
91	518,5	191	525,8	291	533,1	391	540,4
92	518,55	192	525,85	292	533,15	392	540,45
93	518,6	193	525,9	293	533,2	393	540,5
94	518,65	194	525,95	294	533,25	394	540,55
95	518,7	195	526	295	533,3	395	540,6
96	518,75	196	526,05	296	533,35	396	540,65
97	518,8	197	526,1	297	533,4	397	540,7
98	518,85	198	526,15	298	533,45	398	540,75
99	518,9	199	526,2	299	533,5	399	540,8
100	518,95	200	526,25	300	533,55	400	540,85

- Now send the channel information to the microphone (HF-PRO MIC or HF-PRO BPACK) you want to use on each receiver (A,B,C or D) by using the corresponding IR-knob (5).
- Hold the microphone you want to synchronize with its IR-sensor in front of the IR-indicator (2) of the HF-PRO QUAD RECEIVER and press the IR-knob for about 2 seconds. The IR-indicator symbol (H) will start blinking. When the blinking stops, the channel information has been send to the microphone or belt pack. Repeat this step for all microphones or belt packs you want synchronize and use.
- The HF-PRO QUAD RECEIVER is now ready to be used.
- Adjust the AF output from the receivers (A,B,C,D) by turning their volume knobs (4) clockwise.
- Switch off the HF-PRO QUAD RECEIVER by pressing the POWER switch (3).

HF-PRO MIC – SETUP

- First switch on the HF-PRO QUAD RECEIVER and select a channel (1-100) for receiver A, a channel (101-200) for receiver B, a channel (201-300) for receiver C and a channel (301-400) for receiver D.
- Open the battery compartment of the HF-PRO MIC and insert two AA batteries (alkaline or rechargeable battery).
- Switch on the HF-PRO MIC by pressing the ON/OFF switch (3) for a second. The display (2) will light up.
- Hold the IR-sensor (4) of the HF-PRO MIC in front of the IR-indicator (2) of the HF-PRO QUAD RECEIV-ER.
- Press the IR-KNOB (5) from one of the receivers (A,B,C or D) on the HF-PRO QUAD RECEIVER for about 2 seconds. The IR-indicator symbol (4) will start blinking 3 times. When the blinking stops, the HF-PRO MIC has received the channel information from the HF-PRO QUAD RECEIVER and will now work with this part (A,B,C or D) from the receiver.
- Do the same for all the HF-PRO MIC's you want to use.
- Speak through the mic: the AF indicator (A) on the corresponding receiver will move to the rhythm of your voice.
- While checking the system, walk around to check if you encounter any dead spots (no reception): in these cases, try to change the position of the receiver.
- Switch off the HF-PRO MIC by pressing the ON/OFF switch (3) for a few seconds. The display (2) will shortly show "OFF" before shutting down the microphone. Pressing the ON/OFF switch shortly will MUTE the HF-PRO MIC. The MUTE symbol (B) will be shown on the display. The sound output has been turned off but the microphone is still sending. Press the ON/OFF switch shortly again to activate the output again.
- The power of the RF-signal can be changed with the LOW-HI selector (6) from LOW (5dBm -3,16mW) to HI (10dBm-10mW) to get a better reception of bigger distance range. Press the SET knob (6) until the RF HI/RF LOW symbol starts blinking. Change the output (HI or LOW) by pressing the ▲/▼ knobs. Wait until the blinking stops (+/- 3s). Done.

HF-PRO BPACK – SETUP

- First switch on the HF-PRO QUAD RECEIVER and select a channel (1-100) for receiver A, a channel (101-200) for receiver B, a channel (201-300) for receiver C and a channel (301-400) for receiver D.
- Open the battery compartment (4) of the HF-PRO BPACK by pressing gently at the sides of the cover and pulling it backwards and insert two AA batteries (1.5V alkaline or rechargeable).
- Switch on the HF-PRO BPACK by pressing the POWER switch (6) for a second. The display (3) will light up.
- Hold the IR-sensor (7) of the HF-PRO BPACK in front of the IR-indicator (2) of the HF-PRO QUAD RECEIVER.
- Press the IR-KNOB (5) from one of the receivers (A,B,C or D) on the HF-PRO QUAD RECEIVER for about 2 seconds. The IR-indicator symbol (4) will start blinking 3 times. When the blinking stops, the HF-PRO BPACK has received the channel information from the HF-PRO QUAD RECEIVER and will now work with this part (A,B,C or D) from the receiver.
- Do the same for all the HF-PRO BPACK's you want to use.
- Connect the lavalier microphone or optional headset on the mini-jack connector (2) of the HF-PRO BPACK.
- Speak through the mic: the AF indicator (A) on the corresponding receiver will move to the rhythm of your voice.
- While checking the system, walk around to check if you encounter any dead spots (no reception): in these cases, try to change the position of the receiver.
- Switch off the HF-PRO BPACK by pressing the POWER switch (6) for a second. The display (2) will shortly show "OFF" before shutting down the belt pack. Pressing the ON/OFF switch shortly will MUTE the HF-PRO BPACK. The MUTE symbol (B) will be shown on the display. The sound output has been turned off but the microphone is still sending. Press the ON/OFF switch shortly again to activate the output again.
- The power of the RF-signal can be changed from LOW (5dBm -3,16mW) to HI (10dBm-10mW) to get a better reception or bigger distance range. Press the SET knob (6) until the RF HI/RF LOW symbol starts blinking. Change the output (HI or LOW) by pressing the ▲/▼ knobs. Wait until the blinking stops (+/- 3s). Done.

TROUBLESHOOTING

Problem	Solution
No sound	• Check the power supply of the microphone and receiver. • Check if the transmitter and receiver are tuned to the same channel (frequency). • Check if the hi-fi appliance or audio mixer is switched on and the receiver output is connected to the desired audio input. Mixer: is the gain open? • Check if the transmitter is too far away from the receiver. • Check if the receiver is located near a large metal object or if there are large obstructions (ex. large metal object or thick wall) between transmitter and receiver.
Sound interference	• Check the antenna location. • When using 2 HF-PRO QUAD RECEIVERs simultaneously, make sure that the selected channels don't interfere: select another channel pair on one of the receivers. • Check whether the interference comes from other wireless microphones, TV, radio, PC, etc.
Distortion	• Check if the receiver volume level is set too high or too low. • Check if the interference comes from other wireless microphones, TV, radio, PC, etc.

CLEANING THE APPLIANCE:

Clean by wiping with a polished cloth slightly dipped with water. Avoid getting water inside the unit. Do not use volatile liquids such as benzene or thinner which will damage the unit.

SPECIFICATIONS

ENGLISH

JB Systems® hereby declares that the equipment described in this manual complies with RED Directive 2014/53/EU. The full text of the EU Declaration of Conformity, as well as the latest version of the manual and technical specifications, are available at the following internet address (under Manual and downloads): https://jb-systems.eu/hf-pro-quad-receiver

NEDERLANDS

Hierbij verklaart JB Systems® dat de apparatuur beschreven in deze handleiding voldoet aan de RED richtlijn 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring, alsook de laatste versie van de handleiding en technische specificaties zijn beschikbaar op het volgende internetadres (onder Handleiding en downloads): https://jb-systems.eu/nl/hf-pro-quad-receiver

FRANCAIS

JB Systems® déclare par la présente que l'équipement décrit dans ce manuel est conforme à la directive RED 2014/53/UE. Le texte complet de la déclaration de conformité UE, ainsi que la dernière version du manuel et les spécifications techniques sont disponibles à l'adresse Internet suivante (sous Manuel et téléchargements) : https://jb-systems.eu/fr/hf-pro-quad-receiver

DEUTSCH

Hiermit erklärt JB Systems®, dass die in dieser Anleitung beschriebene Ausrüstung der RED Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung sowie die neuesten Versionen der Anleitung und der technischen Spezifikationen sind unter folgender Internetadresse verfügbar (unter Anleitung und Downloads): https://jb-systems.eu/de/hf-pro-quad-receiver

HF-PRO QUAD RECEIVER

Carrier Frequency Range:	514-542MHz
Modulation Mode:	FM
Receiver type:	PLL synthesized,
S/N ratio:	90dB
AF Response:	40Hz to 17kHz
T.H.D.:	<1,0%
Power Supply:	DC 12V
Audio Output:	Balanced outputs A and B, mixed output (6.3mm jack)
Output impedance:	600 Ohm
Current consumption:	<300mA

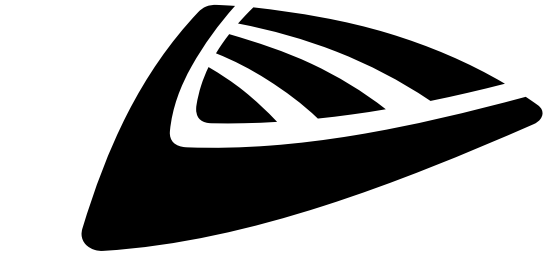
HF-PRO MIC

Carrier Frequency Range:	514-542MHz
RF Power Output:	LOW (5dBm -3,16mW) - HI (10dBm-10mW)
Oscillation Mode:	PLL synthesized
Frequency Stability:	±0,002%
Frequency Response:	40Hz – 17kHz
Microphone Capsule:	Dynamic
Battery:	DC 3V (2 x 1,5V AA size batteries)

HF-PRO BPACK

Carrier Frequency Range:	514-542MHz
RF Power Output	LOW (5dBm -3,16mW) - HI (10dBm-10mW)
Oscillation Mode:	PLL synthesized
Frequency Stability:	±0,002%
Frequency Response :	40Hz – 16kHz
Microphone Capsule (Lavalier):	Condenser
Battery:	DC 3V (2 x 1,5V AA size batteries)

Every information is subject to change without prior notice
You can download the latest version of this user manual on our website: www.jb-systems.eu



JBSYSTEMS

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DE: Abonnieren Sie unseren Newsletter und erhalten Sie aktuelle Produktinformationen!
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