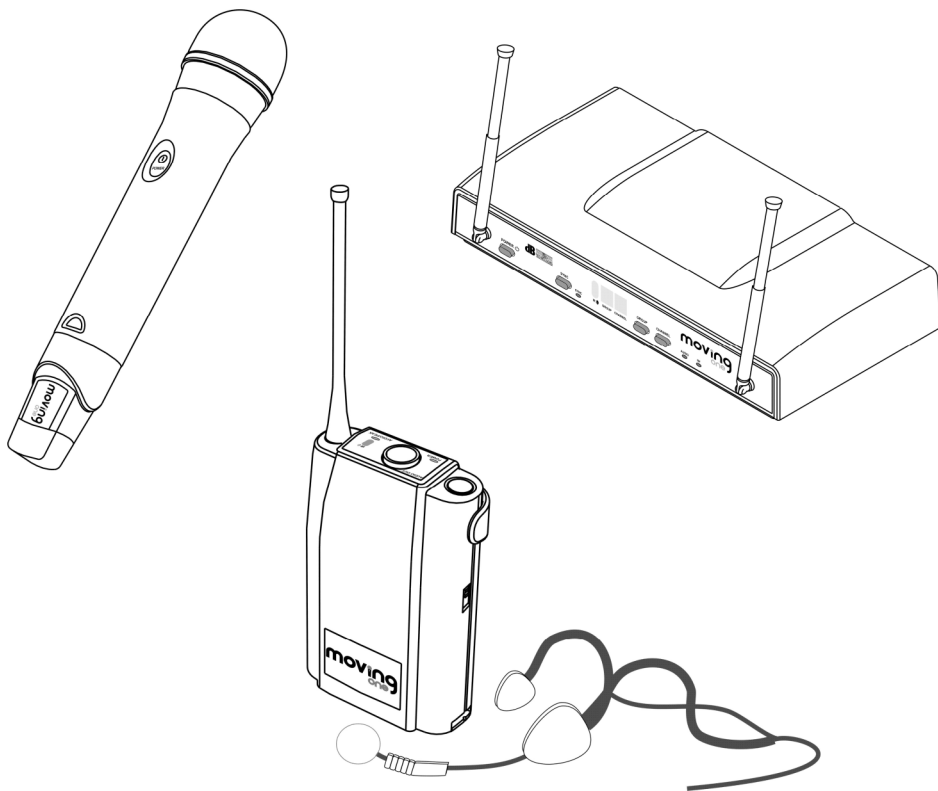


moving one



MANUALE D'USO - Sezione 1
USER MANUAL - Section 1
BEDIENUNGSANLEITUNG - Abschnitt 1
CARACTERISTIQUES TECHNIQUES - Section 1

dB 
TECHNOLOGIES

CE 0682 

Le avvertenze nel presente manuale devono essere osservate congiuntamente al "MANUALE D'USO - Sezione 2".

The warnings in this manual must be observed together with the "USER MANUAL - Section 2".

Die Warnungen in diesem Handbuch müssen in Verbindung mit der "BEDIENUNGSANLEITUNG - Abschnitt 2" beobachtet werden.

Les avertissements dans ce manuel doivent être respectés en collaboration avec le "CARACTERISTIQUES TECHNIQUES - Section 2".

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1. INTRODUCTION

The use of the UHF band has become increasingly complex for radio systems due to the presence of multiple devices that operate on these frequencies.

The system MOVING ONE is equipped with DIGITAL CODE SQUELCH, a technology that adds a digital code to the analog audio signal. This system guarantees a considerable reduction of issues related to interfering signals.

This allows to avoid the typical issues of undesired opening of the squelch by interferences, occurring with standard systems. Moreover, the user does not need to adjust the sensitivity of the receiver making use easier for anyone.

The MOVING ONE systems are available in the following sets:

MOVING ONE-H

- Table receiver MOVING ONE-RX housed in a polypropylene container with very high resistance and equipped with two telescopic antennas;
- Hand transmitter MOVING ONE-TXH with condenser capsule and dynamic suspension;
- Full range power supply 100-240Vac 50/60Hz with 12Vdc output with UE and US outlet adapter;
- Two batteries 1.5 volt AA LR6
- Five interchangeable colored plugs for the customization of the transmitter
- Operating manual

MOVING ONE-B

- Table receiver MOVING ONE-RX housed in a polypropylene container with very high resistance and equipped with two telescopic antennas;
- Pocket transmitter MOVING ONE-TXB housed in a highly resistant container in ABS with built-in flexible antenna
- Microphone with ergonomic headset and dual coupling with "Beyerdynamic" condenser capsule;
- Full range power supply 100-240Vac 50/60Hz with 12Vdc output with UE and US outlet adapter;
- Two batteries 1.5 volt AA LR6
- Five interchangeable colored silicone rings for the customization of the transmitter
- Operating manual

2. RECEIVER (MOVING ONE-RX)

The receiver of the system MOVING ONE operates in the UHF band, has a maximum of 77 channels, depending on the operating band, divided into 10 groups.

The selection of the transmission channel occurs by means of automatic selection or manually.

It is possible to select the operating frequency of the receiver using buttons and the display on the front.



The antennas housed on the front must be extracted for their entire length during use.



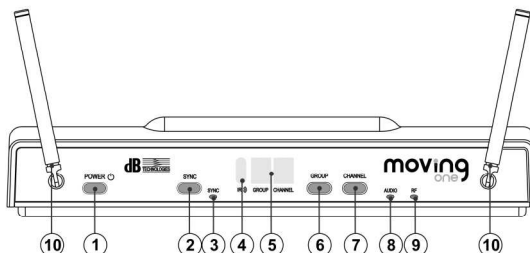
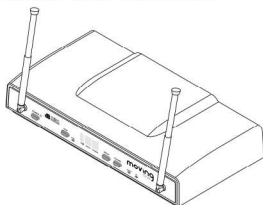
ATTENTION

The transmitter and the receiver must operate in the same channel and in the same band.

The channel can be switched at any time, with the transmitter on or off.

2.1. Controls and functions

Front



1) "POWER" BUTTON

Allows switching on and off the device. Press and hold the button. The display on the front of the receiver turns on.

2) "SYNC" BUTTON

Pressing and holding the button for two seconds starts the procedure of timed synchronization between transmitter and receiver.

3) "SYNC" LUMINOUS INDICATOR

It indicates the synchronization between the transmitter and the receiver

OFF: no synchronization
FLASHING GREEN: synchronization OK

4) "IR"

Dedicated window for device communication via infrared (IR) with transmitters MOVING ONE-TXH and MOVING ONE-TXB. Refer to the procedure specified below for details.

5) "GROUP" AND "CHANNEL" DISPLAY

Displays information about the group and the signal transmission channel.

6) "GROUP" BUTTON

Increases the group if pressed only once.

If pressed and held for 2 sec., starts the automatic scan of all groups.

7) "CHANNEL" button

Increases the channel if pressed only once.

If pressed and held for 2 sec starts the automatic scan of the free channels within the selected group.

8) "AUDIO" LUMINOUS INDICATOR

Indicates the different modes of operation of the audio signal:

OFF: no audio signal received or very low audio level

GREEN: audio signal received with normal audio level
The indicator flashes as a function of the audio signal.

RED: audio signal received with very high audio level (peak)
The indicator turns red to indicate the trip of the internal limiter circuit, which avoids audio signal distortion and protects the receiver from overloads.
Avoid using the system for long periods with the indicator steadily on or flashing.

9) "RF" LUMINOUS INDICATOR

It is used to indicate the different modes of operation:

OFF: No transmitter detected

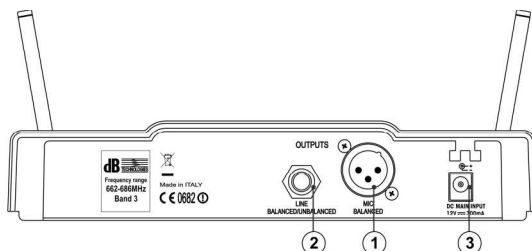
FLASHING GREEN: Signal detected but without code (interference)

STEADY GREEN: Transmitter detected and recognized

STEADY RED: Transmitter detected and recognized but with low battery

10) ANTENNAS

They are telescopic and allow the reception of the signal.

Rear**1) "MIC" OUTPUT CONNECTOR**

Balanced audio output via "XLR" connector.

2) "LINE" OUTPUT CONNECTOR

Balanced or unbalanced audio output via 1/4" (6.3mm) Jack connector

3) "DC MAIN INPUT" POWER SUPPLY CONNECTOR

Allows to power the receiver via the 12Vdc power supply supplied.

2.2. Functions**Power on**

Connect the power cable and press the "POWER" button on the front of the receiver. The device will perform a fast check sequence; the receiver will be active when the display is on.

Power off

Press and hold the "POWER" button for about 2 seconds. The front display turns off.

Disconnect the power cable



The device stores the status of the last setting before shutting down; on power on it will be automatically restored.

Selection of the group

Repeatedly press the "GROUP" button until the desired channel is displayed.

Selection of the channel

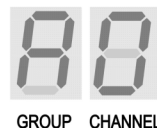
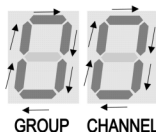
Repeatedly press the "CHANNEL" button until the desired channel is displayed.

**ATTENTION**

Whenever you change the group, the number of the channel is reset to 0.

Automatic search

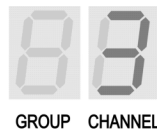
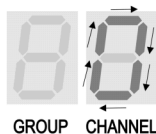
Pressing and holding the "GROUP" button for 2 sec starts the group automatic search function. The system scans all the groups, choosing the one with the greatest number of channels free of interferences and the first free channel within that group.



The display indicates this search through the clockwise rotation of the segments of the display; once the search is over, the number of the group and the selected channel will be displayed.

Pressing and holding the "CHANNEL" button for 2 sec starts the channel automatic search function. The system scans all the channels within the group and chooses the best channel.

The display indicates this search through the clockwise rotation of the segments of the display relative to the channels; once the channel is found, the corresponding number will be displayed.

**ATTENTION**

Do not set more than one transmitter on a single channel to avoid transmission interferences. If multiple microphones are used, use the channels within the same group

**Antennas**

For a correct operation, the antennas must be fully extended and inclined at 45° toward the outside.

Never cover the antenna during use.

3. HAND TRANSMITTER (MOVING-TXH)

The transmitter can operate with a maximum of 77 channels, depending on the operating band, divided in 10 groups in the UHF band.

Channel change takes place via the infrared communication from the receiver.

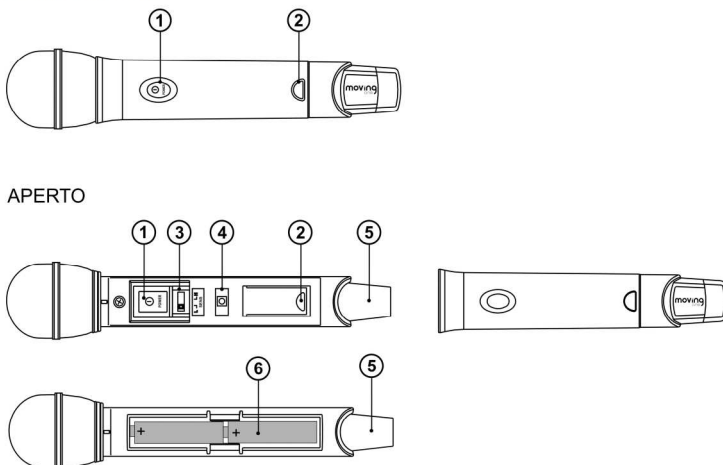
The microphone with dynamic suspension condenser capsule ensures a high quality of sound reproduction with minimum handling noise.



ATTENTION

The transmitter and the receiver must operate on the same frequency.

3.1. Controls and functions



1) ON/OFF BUTTON

Pressing and holding the button for a few seconds, the transmitter switches on and the LED (2) turns on.

To switch off the transmitter, press and hold the button for at least 1 sec (the LED will turn off automatically).

2) LUMINOUS INDICATOR/LOCK BUTTON

The LED indicates the status of the transmitter and of the battery.

LED off:	transmitter off
LED on (steady):	transmitter on and operating
Flashing LED:	transmitter synchronization with the receiver in progress
Red LED:	dead batteries (the batteries must be replaced)

3) SENSITIVITY SWITCH

Selects the sensitivity of the capsule.

H (HIGH +10dB)	use this if the microphone is far from the source or the source level is low
L (LOW 0dB)	use this for vocals and speech

4) "IR"

Dedicated window for device communication via infrared (IR) with the receiver MOVING ONE-RX. Refer to the procedure specified below for details.

5) ANTENNA

Built-in antenna that allows the transmission of the signal.

6) BATTERIES

Battery area

3.2. Functions**Power on**

Press and hold the ON/OFF button for a few seconds; the status LED (2) turns on and indicates the status of the transmitter.

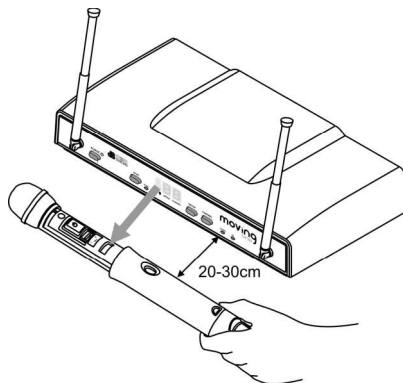
Power off

Press and hold the ON/OFF button for about 1 sec.; the status LED (2) turns off.

Selection of the channel

Only via the IR command from the receiver.

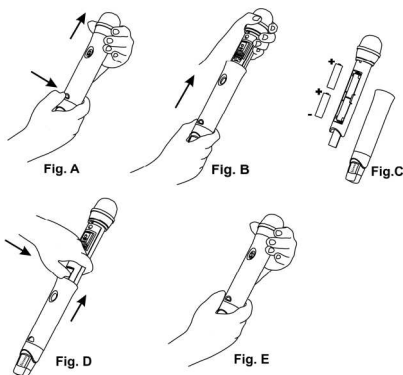
- Remove the cover of the transmitter pressing the appropriate unlock key (2) and slide the handle (refer to battery change)
- Align the transmitter and the receiver at a distance of 20/30cm
- Press and hold for two seconds the "SYNC" button on the receiver:
 - The "SYNC" LED on the receiver begins to flash for 5 sec.
 - The status LED on the transmitter flashes as soon as the synchronization has been achieved.
- Once synchronization is achieved, the transmitter will immediately begin to transmit on the preset channel.

**Battery replacement**

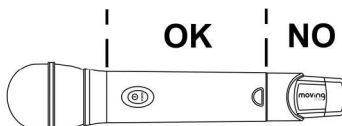
The batteries are housed within the transmitter.

For the replacement follow the directions below:

- Slightly press the unlock button (2) - (Figure A).
- Completely slide off the handle (figure B)
- Insert or replace the batteries in the compartment, paying particular attention to the polarities indicated on the bottom + /- (Figure C)
- Press again the unlock button (2) to insert the handle (Figure D)
- Lock the handle fully inserting it under the transmitter head. (Figure E)

**Antenna**

The antenna is integrated in the transmitter. For a correct operation hold the transmitter in the central section and never from the bottom.

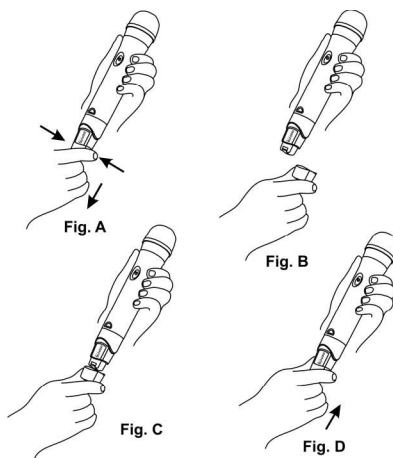


Customization of the transmitter

Five interchangeable plugs are provided for the customization of a transmitter in the case of simultaneous use of multiple systems (Multiple microphone setup)

For replacement

- Apply pressure to the sides of the plug (Figure A) and pull it completely off from the plastic body (Figure B)
- Match the shape of the desired plug with that of the body (Figure C)
- Firmly press up to complete insertion (Figure D)



4. POCKET TRANSMITTER (MOVING ONE-TXB)

The transmitter can operate with a maximum of 77 channels, depending on the operating band, divided in 10 groups in the UHF band.

Channel change takes place via the infrared communication from the receiver.

The system is equipped with a microphone with ergonomic headset and dual coupling with "Beyerdynamic" condenser capsule.

The transmitter generates a phantom supply power of 6Vdc on the microphone input connector that supplies the various optional accessories (lavalier microphone or headset microphone different from that supplied)

It is equipped with a clip for fixing to belt.

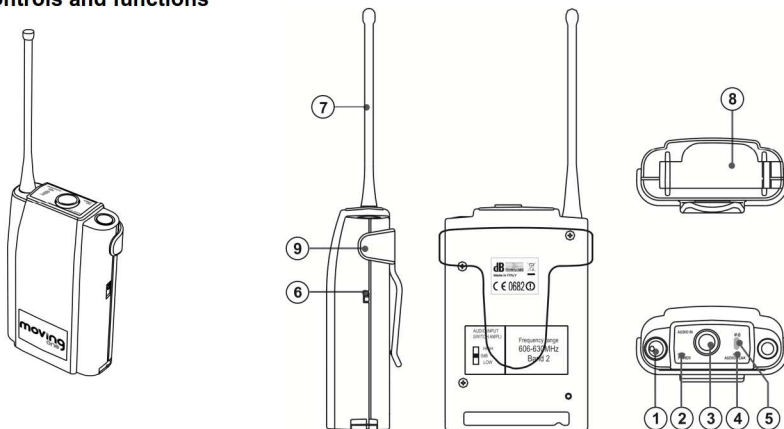


ATTENTION

Do not set more than one transmitter on a single channel to avoid transmission interferences.

In the event of multiple microphone setup, use the channels within the same group

4.1. Controls and functions



1) ON/OFF BUTTON

Pressing and holding the button for a few seconds, the transmitter switches on and the LED (2) turns on.

To switch off the transmitter, press and hold the button for at least 1 sec (the LED will turn off automatically).

2) “POWER” LUMINOUS INDICATOR

The LED indicates the status of the transmitter and of the battery.

LED off:	transmitter off
LED on (steady):	transmitter on and operating
Flashing LED:	transmitter synchronization with the receiver in progress
Red LED:	dead batteries (the batteries must be replaced)

3) MICROPHONE/GUITAR INPUT

This input is used to connect a microphone.

Use a 4-pole MINI XLR connector.

4) “AUDIO/PEAK” LUMINOUS INDICATOR

It is used to indicate the different modes of operation

OFF:	no or very low audio input signal.
GREEN:	audio communication in input
RED:	signal with very high audio level input

5) “IR”

Dedicated window for device communication via infrared (IR) with the receiver MOVING ONE-RX. Refer to the procedure specified below for details.

6) THREE POSITION SENSITIVITY SWITCH

Selects the sensitivity depending on the type of source used

HIGH +10dB	to be used in case of headset microphones
0dB	to be used in case of headset microphones or connections with instruments
LOW -10dB	to be used in case of connections to instruments (guitars, bass, ...)

7) ANTENNA

Flexible. It allows the transmission of the signal.

8) BATTERY DOOR

Battery compartment

9) BELT CLIP

Allows to clip the receiver to a belt or to the belt of the guitar.

4.2. Functions**Power on**

Press and hold the ON/OFF button for a few seconds; the status LED (2) turns on and indicates the status of the transmitter.

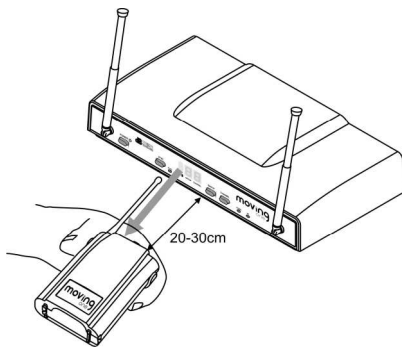
Power off

Press and hold the ON/OFF button for about 1 sec.; the status LED (2) turns off.

Selection of the channel

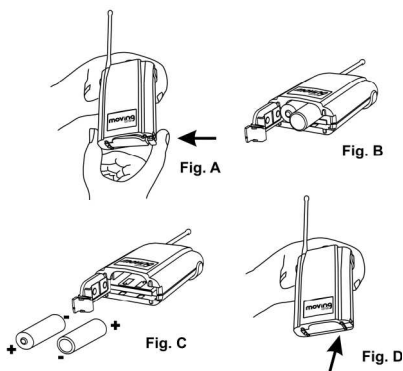
Only via the IR command from the receiver.

- Align the transmitter and the receiver at a distance of 20/30cm
- Press and hold for two seconds the "SYNC" button on the receiver:
 - The "SYNC" LED on the receiver begins to flash for 5 sec.
 - The "POWER" LED on the transmitter flashes as soon as the synchronization has been achieved.
- Once synchronization is achieved, the transmitter will immediately begin to transmit on the preset channel.



Battery replacement

- Slightly press the compartment door (Figure A).
- Fully open the door (Figure B)
- Insert or replace the batteries in the compartment, paying particular attention to the polarities indicated on the bottom + /- (Figure C)
- Close the battery door paying particular attention that it is properly closed (Figure D)



Antenna

The antenna is made of flexible material to allow a better use. Never cover the antenna during use.

PHANTOM POWER

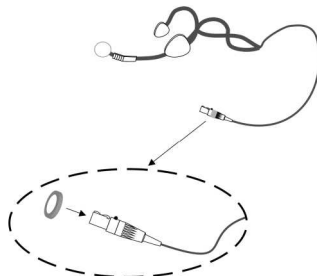
The phantom power supply (6Vdc) is always present on the microphone input connector. Always use the supplied accessories; never short the phantom power with the ground to avoid damage to the transmitter.

Refer to the dedicated section in the manual for the connections

Customization of the transmitter

Five colored silicone rings are provided for the customization of a transmitter in the case of simultaneous use of multiple systems (multiple microphone setup)

The colored ring must be inserted into the connector of the accessory in the position indicated in the figure to allow correct insertion.



5. SYSTEM BANDS

Important

Before using this equipment, contact the Telecommunications Regulatory Authority of the country where the equipment is used, in order to have information about available frequencies and allowed power requirements.

In some countries, the use of terminals for telecommunications is subject to Use License. Check with the authorities of the country where the equipment is used if the license is mandatory.

Band	UHF frequencies
Band 1	518-542MHZ
Band 2	606-630MHZ
Band 3	662-686MHZ
Band 4	742-766MHz
Band 6	823-832MHz
Band 7	863-865MHZ

NOTE: The maximum number of frequencies depends on the bandwidth of the system, and therefore may vary.

Band		1		2		3		4		6		7	
Frequencies		518	542	606	630	662	686	742	766	823	832	863	865
Group a	0	518,300		606,150		662,075		742,325		823,650		863,075	
	1	519,325		607,375		664,375		743,850		824,675		863,900	
	2	524,225		611,300		667,775		744,875		825,400		864,525	
	3	526,375		614,150		675,225		748,750		827,975		864,950	
	4	529,650		615,950		677,000		755,975		829,425			
	5	537,225		623,375		679,850		760,350		831,650			
	6	538,875		626,775		683,950		763,725					
Group b	7	541,550		629,125		684,975		765,750					
	0	518,875		606,975		662,350		743,125		823,825		863,000	
	1	520,600		608,800		663,500		747,150		824,550		863,425	
	2	524,550		609,975		667,600		748,650		826,300		864,075	
	3	526,800		614,675		670,500		749,650		827,325		864,925	
	4	529,650		618,800		672,200		753,175		830,500			
	5	536,975		625,625		679,750		760,775		831,850			
Group c	6	538,075		628,125		683,250		763,800					
	7	541,500				685,575		765,800					
	0	518,725		608,000		662,525		742,775		823,625		863,200	
	1	519,875		609,675		663,575		745,025		825,825		863,600	
	2	523,525		611,900		667,050		746,725		827,275		864,200	
	3	525,675		617,200		669,925		753,450		829,875		865,000	
	4	528,825		624,200		675,100		758,525		830,575			
Group d	5	536,750		625,375		681,950		761,325		831,625			
	6	538,400		628,675		683,650		764,675					
	7	541,050				685,950		765,775					
	0	519,850		606,525		662,050		745,475		823,675		863,075	
	1	522,950		610,325		664,425		749,675		825,600		863,500	
	2	527,125		614,675		673,950		753,125		827,025		864,125	
	3	528,175		620,000		675,200		755,450		828,000		864,975	
	4	534,900		626,000		679,100		761,900		830,975			
	5	537,500		627,625		682,475		763,600		831,650			
	6	539,575		628,725		685,350		764,800					
	7	541,125											

Band		1		2		3		4		6		7	
Frequencies		518	542	606	630	662	686	742	766	823	832	863	865
Group e	0	518,425		607,375		663,150		743,500		823,125		863,025	
	1	519,625		609,775		667,550		747,750		823,900		863,025	
	2	523,625		617,100		669,275		752,500		826,950		864,075	
	3	526,475		620,125		670,475		758,875		828,100		864,925	
	4	528,275		623,675		677,250		760,325		829,625			
	5	535,800		625,050		682,375		762,625		831,550			
	6	539,250		629,325		686,000		765,875					
	7	541,575											
Group F	0	519,500		607,125		664,675		742,425		823,400		863,150	
	1	522,775		611,025		666,725		748,100		824,725		863,550	
	2	527,150		612,050		672,250		750,325		826,775		864,150	
	3	528,200		620,400		677,250		753,050		829,575		864,950	
	4	535,350		623,425		680,375		760,400		830,575			
	5	538,125		625,875		681,425		761,600		831,225			
	6	540,275		627,825		684,025		764,825					
	7	541,900											
Group H	0	518,700		607,150		662,550		742,900		823,100		863,125	
	1	521,925		611,450		664,500		745,175		825,525		863,950	
	2	523,000		613,250		667,025		748,100		826,175		864,575	
	3	531,000		621,825		674,825		751,525		827,150		865,000	
	4	532,575		624,775		678,125		752,625		829,875			
	5	536,300		628,550		683,150		763,125		831,875			
	6	538,425		629,775		684,200		764,825					
	7	541,100											
Group J	0	519,825		606,775		662,725		742,275		823,500		863,100	
	1	524,025		608,825		668,675		746,250		825,125		863,900	
	2	528,950		612,225		672,475		747,500		827,750		864,500	
	3	530,825		619,575		673,850		756,050		828,750		864,900	
	4	536,825		620,650		681,075		759,275		831,050			
	5	539,425		625,575		683,000		761,975		831,700			
	6	540,475		629,775		685,650		763,950					
	7												
Group L	0	519,200		607,725		662,725		742,025		824,075		863,050	
	1	523,675		609,400		665,100		745,575		825,125		863,900	
	2	526,850		610,575		671,000		754,175		825,875		864,525	
	3	531,850		619,175		678,600		755,950		828,325		864,950	
	4	537,375		623,725		680,175		758,900		829,775			
	5	538,800		627,125		683,975		760,000		831,875			
	6	541,075		629,475		685,025		765,300					
	7												
Group n	0	518,150		607,350		662,625		743,000		823,125		863,075	
	1	521,725		609,925		664,400		745,350		823,775		863,500	
	2	524,075		613,000		668,475		747,075		827,000		864,125	
	3	528,175		620,900		670,875		752,675		827,950		864,950	
	4	535,400		622,350		678,450		753,900		829,425			
	5	537,250		627,375		681,975		761,750		831,500			
	6	540,250		629,325		683,100		765,300					
	7												

6. SUGGESTIONS AND RECOMMENDATIONS



Check that receiver and transmitter have the same operating frequency.
Any transmitter can only work if it is used with the receiver operating in the same band and frequency.

ATTENTION

Before supplying power to the receiver, make sure that the mains voltage corresponds to the input voltage indicated on the power supply.

The receiver must be supplied solely and exclusively with the included power supply.

Supply power to the receiver by connecting the power supply to the connector "DC MAIN INPUT" located at the rear of the receiver.

Interference problems

To avoid interference problems:

- keep the transmitters at least 1/1.5 metres away from ANY receiver
- should the transmitter and the receiver have to operate at less than 1m from each other, fully lower the transmitter antenna.
- the effective range depends on the presence of any noise on the selected channel, of obstacles between transmitter and receiver or of signal reflections linked to the usage environment.

Simultaneous use of multiple systems

MOVING ONE is suitable for simultaneous use of several systems (up to 8 for each band depending on the operating band).

All the frequencies of each group have been mathematically calculated to avoid intermodulation. You can then get a good performance even in the case of multiple Moving One microphones used simultaneously within the same group.

In case of problems during the simultaneous use of several systems, check the frequencies in use, in particular check for multiple systems on the same frequency

In case of interference:

- turn off all the transmitters and check if the "RF" led on the receiver flashes in green; this allows to identify a possible direct source of external interference
- turn on one transmitter at a time and check that only the corresponding receiver synchronizes by checking that the "RF" led is steadily Green.

The same criterion for the choice of frequency should also be applied if you use the system MOVING-ONE together with other radiomicrophones

Setup

Make sure that all the transmitters are off and all the receivers are on

- scan the group on a receiver (pressing and holding the "GROUP" button for 2 sec.)
 - the display shows the state of the automatic search
 - the receiver will select the group with the greatest number of channels recognized as free
 - the receiver will indicate the first free channel of that group.
- Proceed with the synchronization of the corresponding transmitter (as per the dedicated description) and leave it on
- Manually place all the other receivers on the group identified by the first receiver
- scan the channel on another receiver (pressing and holding the "CHANNEL" button for 2 sec.)
 - the display shows the state of the automatic search
 - the receiver will select the freest channel within the set group.
- Synchronize the receiver with the related transmitter and leave it on

- Repeat the scan with the remaining systems and synchronize from time to time with the relevant transmitters leaving them on once synchronized.



IMPORTANT

If you are in an area with an interfering source (e.g. digital TV) which occupies the entire available bandwidth of the system, when scanning channel, it is selected the channel in which the interference is lower.

Sometimes, in case of inconstant interferences, it is advisable to perform multiple scans

7. CAUTIONS

“LARSEN” effect

The Larsen effect (also known as audio feedback) is an annoying sound generated when there are any microphones which are too close to each other and are oriented toward the audio speakers emitting the sounds picked by the microphones themselves. To avoid the Larsen effect (which may damage the loudspeakers), we recommend that you leave a certain distance between the microphones and the audio speakers; also lower the microphone volume (if needed) and don't aim them at the audio speakers.

Induction-related phenomena

To prevent induction-related phenomena from generating buzzes and noise which compromise proper system operation avoid placing the transmitters and receivers near equipment inducing strong magnetic fields (e.g. power transformers, power conductors and lines powering the speakers)

Drop outs

There are areas in which proper signal reception is difficult. To avoid drop outs you need to move the receiver to a more appropriate location, avoid interposing any obstacles and, if needed, reduce the distance between transmitter and receiver.

Place the receiver as far away as possible from the source of the disturbance, to avoid external noises or unwanted sounds.

Batteries

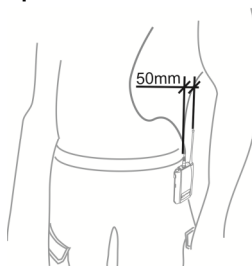
- If the transmitter is not used for a long time, it is recommended to remove the batteries to avoid possible damage due to battery leaks.
- Use alkaline batteries
- Do not use old batteries
- Make sure that the batteries of the receiver are charged and efficient
- Make sure that the polarity of the battery is respected, following the signs into the compartment



ATTENTION

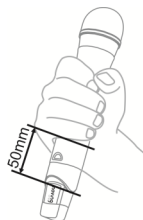
Do not expose the batteries to excessive heat, sunlight, fire, or similar.

Exposure to EMF fields



When in operation the equipment intentionally emits radio frequency energy which by its very nature may be harmful to the human body.

During operation, in order to minimize the effects of radio frequency energy absorption by the body, we recommend that you hold the hand transmitter at least 50mm from its bottom; when using the body pack transmitter, instead, place the antenna at least 50mm away from the user body surface.



8. TECHNICAL SPECIFICATION

RECEIVER (MOVING ONE-RX)	
Receiver size	Half rack size
Sensitivity	-92dBm
Power supply	Power supply full-range Input 100-240V~50/60Hz Output 12Vdc 500mA
Current consumption	250mA
Audio output	Mic (Balanced) XLR: max 300mVrms Linea (Balanced/Unbalanced)JACK max 1,2Vrms
Frequency response	from 40Hz to 18KHz [+/2dB]
Distortion	<1% at nominal deviation
UHF operating frequency	Band 1 (518-542MHz) Band 2 (606-630MHz) Band 3 (662-686MHz) Band 4 (742-766MHz) Band 6 (823-832MHz) Band 7 (863-865MHz)
Modulation	FM with Digital Code Squelch
Deviation	35KHz nom. @ 1KHz sinusoidal
Antenna	2 antenne telescopiche integrate
Funcionally	Diversity
Temperature range	-10°C/+50°C
Frequency stability	-10°C/+45°C
Peso	325g / 0.72lb
Peso alimentatore	112g / 0.25lb

HANDLED TRANSMITTER (MOVING ONE-TXH)	
Power supply	3V (2x1,5V) model AA alkaline
Frequency response	from 40Hz to 18KHz [+/2dB]
Distortion	<1% at nominal deviation
Current consumption	~250mA at 3V – medium volume
UHF operating frequency	Band 1 (518-542MHz) Band 2 (606-630MHz) Band 3 (662-686MHz) Band 4 (742-766MHz) Band 6 (823-832MHz) Band 7 (863-865MHz)
Livello audio	Regolabile tramite deviatore 2 posizioni: +10dB HIGH / 0dB LOW
Antenna	1 integrate
Temperature range	-10°C/+50°C
Frequency stability	20ppm
Limiter	Yes
Flat battery warning	Yes
Battery life	nearly >18 ore
Weight (with battery)	246g / 0.54lb