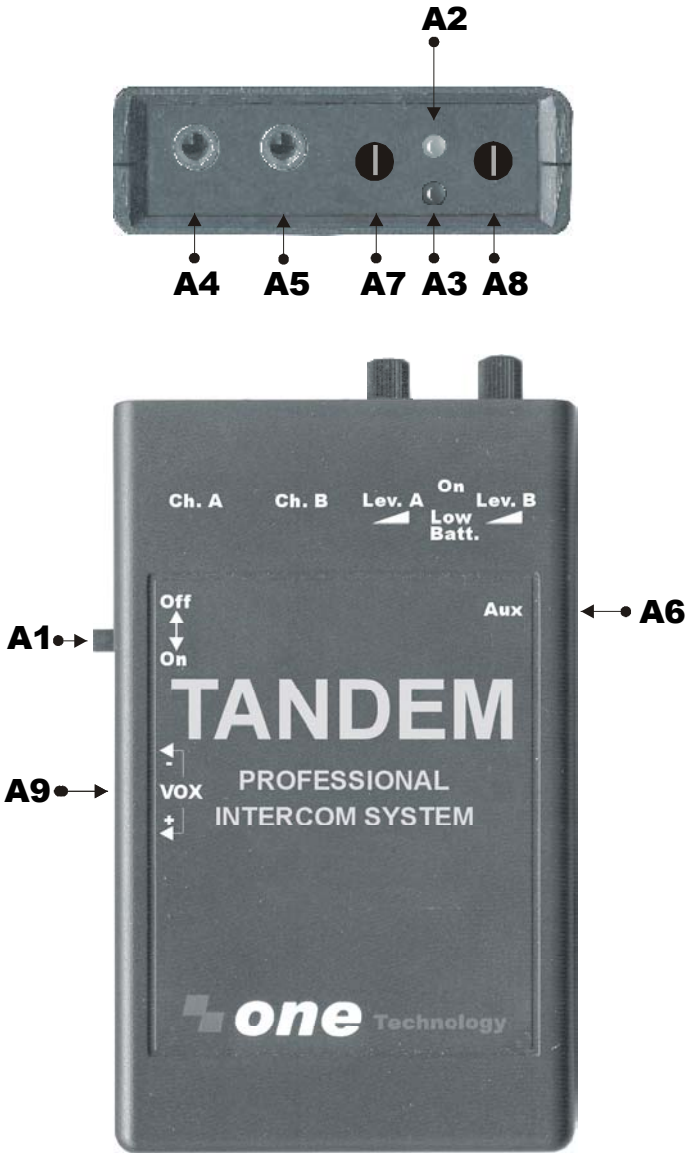
TANDEM HANDBOOK INSTRUCTIONS

One Technology's motorbike intercom systems designed work efficiently and especially at high speed. In fact, thanks to a particular noise reduction technology known as D.A.A.B. System, the noises generated by the turbolence and by the bike's engine are significantly reduced, which allows maximum voice clarity.

To obtain the best performance from this product, please follow correctly the simple instructions illustrated in this manual, otherwise the quality of the communications will be reduced.

Description of the equipment
On this equipment are the following devices:
On/Off switch (A1)
Green Led “on” (A2)
Red Led low batt (A3)
Ch. A plug (A4)
Ch. B plug (A5)
Aux Plug (A6)
Volume level control Ch. A (A7)
Volume level control Ch. B (A8)



Before switching on equipment, please insert the pins in their plugs; Ch. A plug (A4), Ch. B plug (A5).Then please link the pins getting out the helmets to their cables. The Aux plug(A6), as it will succesively explained, will be used as an auxiliary input for mobiles, audiocassettes or CD players, radios, etc.
To switch on the interphone, please insert the 9 volts alkaline battery in its shaft, place downside in the on position the slide switch (A1) on the left side of the equipment and be sure that the green led (A2) on the panel is on. To optimize quality of communications, the audio level has been set in the middle of the range (volume level control A7). It is reccommended to modify the default settings only if absolutely necessary, in order not to compromise the optimum performance.

How to talk on the microphone. The One Technology interphones, have a vocal activation system (Vox). When there is no conversation the equipment reverts to Stand-By mode it is voice activated. The Vox circuit has been set to on only with the frequencies of the human voice. It is necessary during the conversation to touch lightly with your lips the microphone on the convex side and to speak with a louder and continuative tone. Otherwise, you could have an intermittent and not natural communication. In case there is the render more sensitive the Vox cicuit, is possible to personalizeit taking part of time with one spinon the appropriate regulation mails to the side on the intercom. Connection of

external audio sources (CD player, cassette player radio transceivers ecc.) To connect external equipments please use the optional adapter cables. Insert the cables into the Aux plug (A6).

Installation of the phonic device inside the helmets. The supplied phonic devices are a universal model. It means that they can be installed on every kind of helmet: Jet, integral, modular opening. The positioning of the headset is easier thanks to an adhesive velcro on their backs. The positioning of the headset is critical. It is very important that they are perfectly aligned with the ear's auditory pipe (Fig. 2) . Otherwise the interphone perfomances will be decreased.

Installation of the microphone arm on Jet helmets. Insert the metallic circle between the outside padding and the liner of the helmet.
Then shape under the padding the microphone arm as better as possible, to put the microphone in front of the lips. I In some helmets it may be necessary to partially detach the padding. During this operation please pay careful attention to avoid damage to the helmet. If you are not technically minded we advise you arrange for installation of the kit by your dealer.
Let the connector project approximately 5 cm.; To properly fix the cables we suggest using adhesive.

Installation of the microphone arm on integral helmets. Insert the metallic circle under the lateral mouth-padding. Shape the arm so that the microphone can be correctly positioned in front of the mouth. In some helmets it could be necessary to partially detach the padding.
During this operation please pay careful attention to avoid damages to the helmet. If you are in trouble we advise to ask for installation of the kit by your dealer. Allow the connector termination project approximately 5 cm.

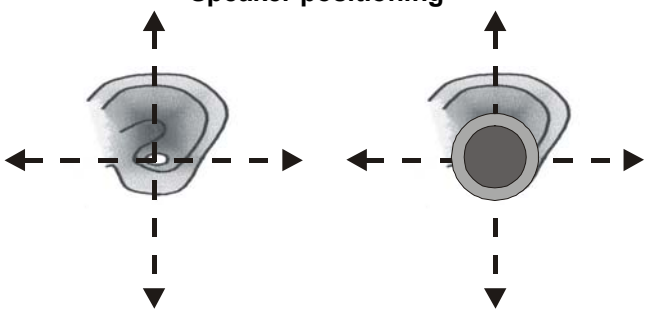
Use of intercom system. After having connected the cables and switched the equipment on, the interphone is ready to use.
We recommend again that it is very important to have the microphone in touch with your lips and to talk with a constant tone. If all has been correctly installed you can converse at a high speed. In some cases the rider could hear a false activation of the Vox. It depends essentially on the turbolence picked up from the passenger's microphone, as at the rear of the bike, due to the whirwinds created by the riders' body, the air turbolence is higher (round 110dB).
To counter this situation, the passenger should keep his head away from the rider's back. Also in case of accidental activation, the undernoise is kept to a minimum.

External power. To use the esternall power output of the bike, use the optional cable (product code “Cabatt”). The clip of the power cable sholud be inserted on the battery clip inside of the battery location, letting the wires get out of the partially opened cover. On some motorbikes it could also be opportune to put a filter for the suppression of the electrical interferences.
Keep attention, before making an electrical connection, to avoid damages, please check with your dealer.

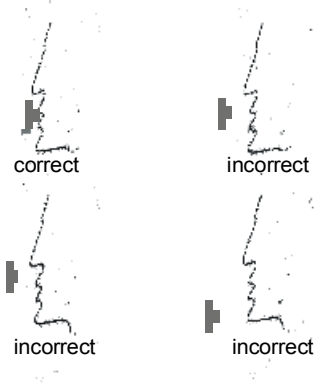
Battery check. You can check the battery level with the two Leds on the equipment's panel. The green Led (A2) shows the equipment is on, the red Led (A3) indicates battery out. Note: When the two led are lighted up together, it means that energy is in reserve. In

reserve there is a couple of hours of life left. To increase sensibly the autonomy, the equipment got an energy pump allowing the exploitation up to the end the remaining energy of a battery, without making the communication poorer. (audio level and Vox sensibility remains even when the battery is close to empty). for the best performance, use 9 volt alkaline batteries.

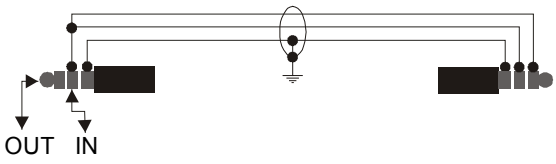
Speaker positioning



Correct microphone position



Draw connections aux cable



Jack 3,5 mm
Side intercom

Jack 3,5 mm

TABEL FOR PROBLEMS RESOLUTION	
Problem	**Probable cause**
The equipment does not switches it on	Check the battery is correctly inserted and full.
Eccessive battery consumption	The equipment stood in ON (switched on) also when not used
Speaking, you hear nothing.	Audio level set at minimum
	Connectors inserted into the wrong plug ins
	Connectors badly inserted
	The microphones are not in touch with the lips or voice tone is too much low and unconstant.
	You are talking by the wrong side of the microphone (talk by the convex side)
Audio level is very low	The headsets are not positioned towards the ear. (be sure to positioning it correctly)
At a low speed, the audio level and the voice quality are unsatisfactory	The headsets are not positioned towards the ear . (be sure to positioning it correctly)
The Vox of the rider's channel activates itself with the wind.	The head of the passenger is too close to the rider's back and affected turbolence. (keep distance a little bit more)
The Vox circuit, at a low speed activates itself without speaking (under 70 Km/h)	Microphones are uncorrectly positioned or inside the helmet there is some wind noise. (change microphone position)
The undernoise amplified by the equipment is too high	The audio level setting is over a half. (decrease it)
There is a different audio level between the two helmets	The helmets are not of the same model or brand (it is better to use identical helmets)
The external audio source (cd, tape ecc.) don't plays or plays uncontinuosly	The Vox circuit activates erratically, so you must increase the volume of the cd player, radio, tape player etc
You cannot hear the phone	Be sure that the connector used is of a kind supported by your phone. Otherwise please purchase the proper adaptor or verify that it is compatible with the equipment .
The phone disturbs the interphone with a clattering	The phone is too close to the equipment Keep it in another pocket.

Technical data	
Dimensions of the equipment	100 x 61 x 21 mm.
Weight	60 Grams
Power supply	Inner 9 Volt alkaline (external = from 5 to 12 Vcc)
Power	2 watts each channel
Absorption	Stand/by = 12 mA – Active = 60 mA
Vox	Preset vocal activation circuit
Filters	Digital D.A.A.B. System
microphones	Type Electret