

# Comunica's "M1V-VOX" hands-free, voice controlled transmit system for the ICOM IC-M1V radio

datasheets/DPM1VVOX



**DELTA+** helmet or **SEASET** headset

Radio PTT button on headgear (transmits in all modes)

Noise-cancelling, waterproof boom microphone with windshield

"Pigtail" headgear download.

MIL spec sealed safety-release headgear connectors

M1V-VOX voice-switch unit with VOX/MANUAL transmit control

ICOM IC-M1V waterproof radio in holster with M1V-VOX unit

Diver quality workbelt

3-mode "VOX" control switch



**THICK END DOWN:**  
for easy voice-keyed transmitting in quiet and average noise backgrounds.

(The PTT button works too)

**SWITCH LEVEL:**  
to transmit with PTT button only (no VOX)

**THIN END DOWN:**  
for reliable voice-keyed transmitting in high noise backgrounds (eg 100dBA).  
(The PTT button works too)



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# The M1V-VOX hands-free (voice controlled) radio transmission set from Comunica:

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The **M1V-VOX** system, purpose designed for the ICOM IC-M1V waterproof radio, is the latest in the long line of Comunica VOX radio systems for use in extreme conditions, (eg seawater submersion and 100+dBa noise backgrounds).

Our current **M1V-VOX** production is mainly being built for **MoD (Navy) for their hands-free RIB work.**

Our **VOX** sets are made for most other radios too, including fixed models like the IC-M503, land PMRs etc.

Other applications of our hands-free **VOX** radio systems include:

- Jet-ski riders (civil and military)
- Polish Special Services (RIBS and swimming)
- Race control staff
- Rescue teams
- Fire Fighters' hydraulic platform crews
- Crane drivers
- Sailing ship crews
- etc...

Our **VOX** sets can incorporate a protective helmet like the **DELTA+** shown above, or an ear defending headset such as our **SEASET** shown here:



## Using the M1V-VOX set.

### **SEASET waterproof radio headset**

- The IC-M1V radio is set up and used exactly as given in its handbook.  
To change channel and use other keyboard functions, lift the radio out of its holster.  
The M1V radio is also lifted out of its holster to place it in its BATTERY CHARGING stand.
- The **M1V-VOX** unit electronics turn ON and OFF automatically when the radio is turned ON and OFF.
- The **M1V-VOX** unit houses rechargeable batteries, charged at the same time as the radio via an extra single wire and socket connector on the radio's charging lead.  
This is pushed on to the stainless steel BATTERY CHARGE screw on the **M1V-VOX** unit.  
The BATTERY CHARGE LED lights when charging.



- As shown on the first page, the set has 3 operating modes, selected with the big green tactile switch on the **M1V-VOX** unit:  
The helmet mounted radio PTT can be used at all times in all 3 modes.

The **3 modes** are:

- **"QUIET"** for relaxed voice-switched transmission in quiet and average background noise conditions. (Remember that the radio takes a fraction of a second to start transmitting, so you should prefix all voice-switched transmissions with a first redundant word, eg "CHECK" or your recipient's name spoken twice).
- **"PTT ONLY"** mode, self explanatory, used if you are shouting to others or cannot risk accidentally triggered transmissions, (the VOX switching is disabled).
- **"NOISY"** used in high background noise levels, (usually set for use up to 103dBa), to avoid unwanted transmissions due to background noise.

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