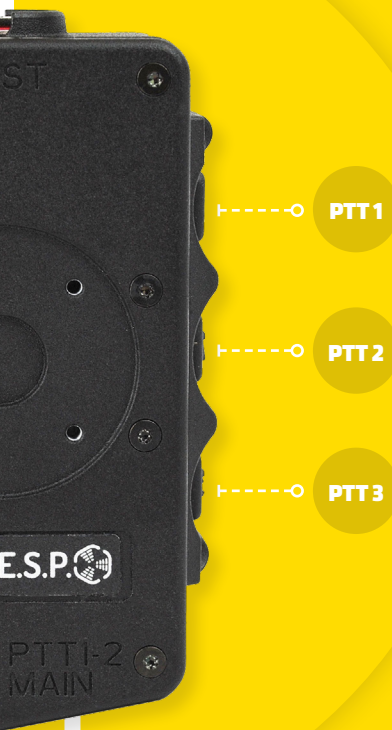


HEADSET

MEET THE FUTURE

E.S.P. (Enhanced Spatial Positioning) is a push-to-talk (PTT) switch designed for dynamic environments and the needs of tactical operators. The solution was developed to enable users to mentally focus on an individual positional audio source, even if other channels are active simultaneously.



TACTICALLY DESIGNED

Compatible with major platforms in dual-radio configurations. ESP PTT offers modular compatibility with vehicular and air-based intercoms (ICS) and EUDs. Designed with operator needs and a tactical environment in mind, the PTT switch has large buttons for easy field use and is left or right hand reversible for convenience.

RADIO COMM 2

OTTO
HEAR THE DIFFERENCE

A LEGACY OF TRUST

OTTO Engineering designs and manufactures innovative products for demanding and mission-critical applications. For 60 years, OTTO's products have been recognized for excellence by the military, law enforcement agencies, public safety agencies, and retail and commercial customers worldwide.



DESIGNED, MANUFACTURED
& ENGINEERED IN THE U.S.A.
FOR OVER 60 YEARS

www.otto-comm.com | Toll-free: **1.888.234.6886** | Direct: **1.847.428.7171**



**ELIMINATE AUDITORY OVERLOAD.
ENHANCE OPERATIONAL EFFICIENCY.
ENSURE MISSION SUCCESS.**



OTTO
HEAR THE DIFFERENCE

E.S.P. PTT

ENHANCED SPATIAL POSITIONING PUSH-TO-TALK

E.S.P. is a multi-port push-to-talk switch that untangles overlapping audio enabling tactical operators to clearly hear individual sources and focus on mission objectives.

Traditional tactical comms equipment relies on binaural audio, meaning the listener hears incoming voices simultaneously in both ears. Operators, then, are regularly exposed to an overlapping chorus of information, with no cues to help segregate the voices.

A CIRCUS OF VOICES

In high-stress environments, traditional audio traffic from multiple sources can compete in the tactical operator's ear, leading to auditory overload and retention loss. Spatial Positioning creates separation and provides mental clarity.

HEADSET



PTT 4

MULTI-FUNCTION

RADIO COMM 1

BACKED BY SCIENCE

Independent testing on the occurrence of attention redirection and speech intelligibility in multi-talker communication confirms that spatial separation of audio can reduce cognitive load and helps users maintain situational awareness.



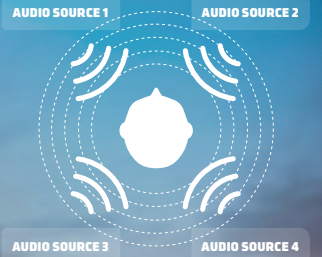
SPATIALLY POSITIONED AUDIO

E.S.P. applies spatial audio by funneling streams into four distinct channels heard around your head. Operators hear each channel distinctly from Left, Left-Front, Right-Front, and Right associating a physical position with each unique audio source. This untangles competing streams and increases comprehension so warfighters can maintain situational awareness and focus on mission objectives.



MULTI-COM INTERFACE

The ultimate PTT for dual radio configurations, E.S.P. is designed to handle multiple talk-groups with single/dual/triple/quad comm modularity.



TILTING THE BATTLEFIELD

E.S.P. is a game changer in tactical communication. Rather than hearing incoming voices as overlapping streams in both ears, each voice is heard in a distinct location around the user's head.

"It's hard to explain the stress involved in trying to control a battlespace. You're not only scanning your sector or directing rounds down range, but you're receiving communication from several sources, all at once... Your headset becomes this circus of voices, all tripping over each other to gain your attention."

-Mo Nazir, Army veteran, Airborne and Military Police NCO