

Going Motorcycle Mobile

on 70 cm and 2 Meters

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Going Motorcycle Mobile

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- How I got started with motorcycling
- Choosing the proper radio equipment
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- Choosing the proper antenna
- Mounting options for the antenna
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- RF Safety IEEE C95.1-2005 / ANSI C95.1-1992
- Q&A / Open discussion

My Background

- Licensed ham radio operator since 1979
- Operate 8 70 cm repeaters in South Florida
- Very involved with Allstar (Allstarlink.org)
- Currently working to link repeaters in Florida
- Over 25 years of communications experience

How I got started with motorcycling

- Obtained my first motorcycle in 1984, CX 500
- 3 months later, I upgraded to a CX1000
- Survived two accidents (1 minor, 1 I don't recall)
- Took a long break from riding and now back in
- Purchased a 2003 750 cc shadow, ACE (American Classic Edition) in September of 2010

Choosing the proper radio equipment

- Waterproof is important!
- Using the FTM-10SR (no longer in production) as my radio. Completely waterproof both radio head and radio unit.
- FTM-10R uses the same head, but radio unit is not waterproof



Bluetooth options

- BU -1 Bluetooth module highly recommended



- Sena SMH-10 best bluetooth system for in helmet installation
www.senablueetooth.com



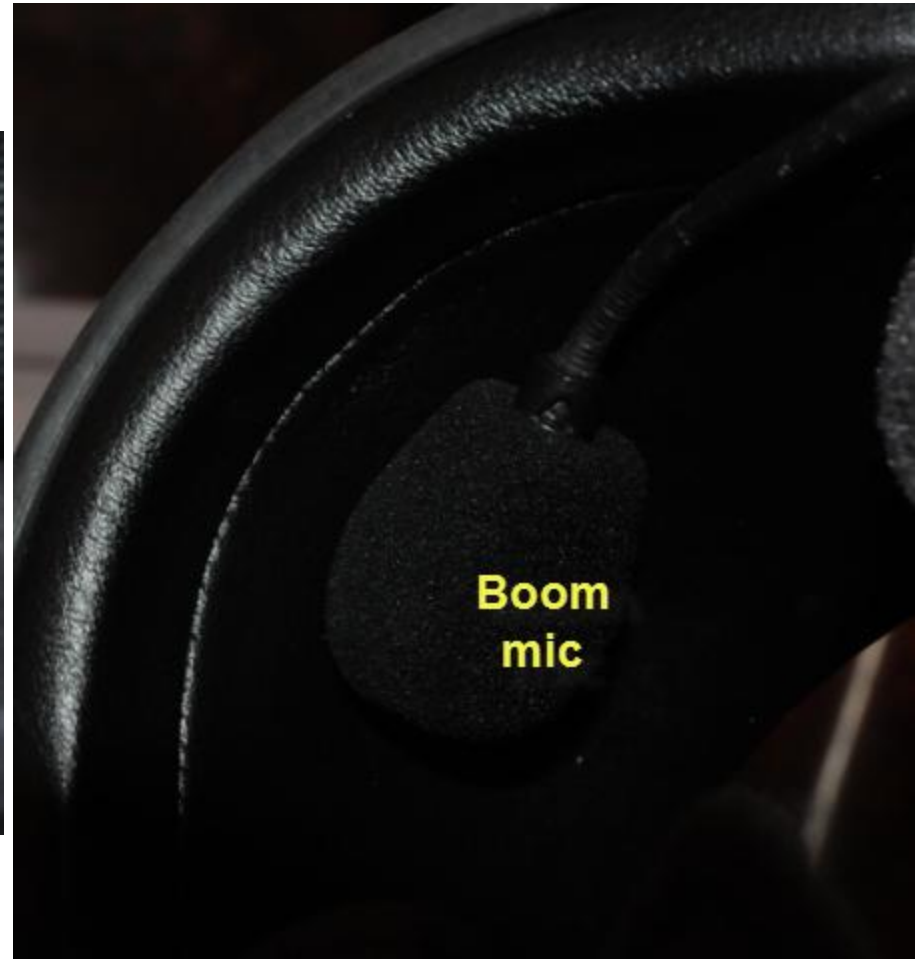


Sena

Boom mic

SENA

Bluetooth options



Choosing the proper antenna

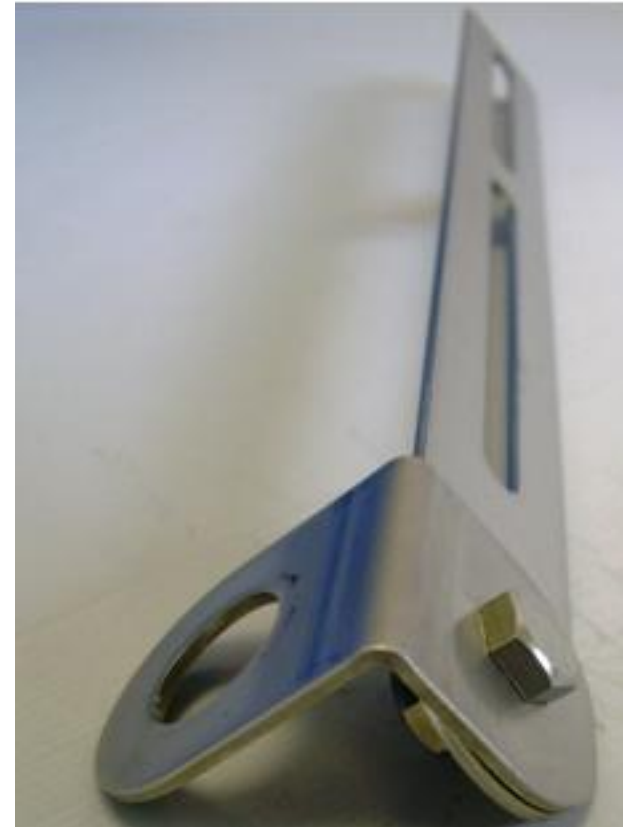
- Choose a *No-Ground-Plane antenna if needed. Most of the time you don't have enough of a ground-plane so you should consider a NGP antenna.*
- Comet CA-2x4SRB is a good antenna





Mounting options for the antenna

- There are not many options for antenna mounting, but in my case I custom made a 2" wide aluminum strip where I mounted directly underneath my trunk and mounted the antenna onto.
- The AMK-1 Antenna Mounting Bracket is designed to be rear-mounted on a motorcycle, using the License Plate/Number Plate mounting bracket.





Radio mounting

- FTM-10SR radio unit is small enough to fit under the seat.

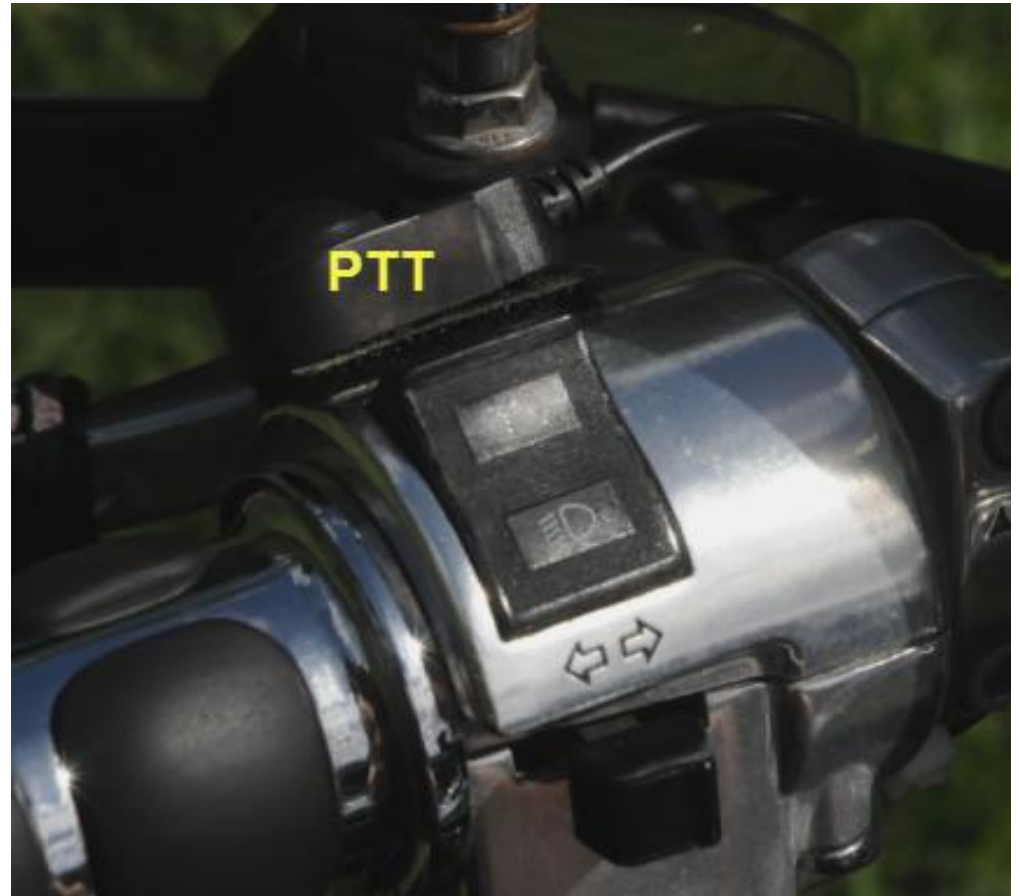


Radio head mounting



Remote PTT mounting

- PTT switch attached with Velcro on left handle grip. Highly recommend for safety!



Human Exposure to Radio Frequency Electromagnetic Fields

- You should get acquainted with IEEE C95.1-2005 which provides information on RF safety in regards to human exposure.
- <http://standards.ieee.org/getieee/C95/download/C95.1-2005.pdf>
- Mount your antenna far enough away from anybody that would protect you from potential concerns

Q&A

- Questions and Answer
- Open discussion

