

Ham 91G – ASV Maker – Parts List

Dr. Marc & Rosemary © 230226

1. AllStar nodes are digital radios buildable by anyone and everyone! Guarantee. If challenged, an Elmer will help.
2. Building directions are Ham Articles 91A – F Maker on <https://www.evergreencg.org/index.php/hamvoip/>. Thanks, Brett for the website work.
3. Earlier pages show the material list and photos. Many want a specific list they can check off. We have hesitated since the most common purchase site is notorious about making changes and no longer having a product. If what you are looking for is not there, go with the flow. Get something that is close. This is ham, we experiment.
4. For example. I bought two Model 3A+ boards last week for \$50. They are not there this week. Look for Other Offers to get a delivery and price you want.

5. ALL KITS NEED THIS.

1	Raspberry Pi model 3A to 3B+	https://www.amazon.com/s?k=raspberry+pi+model+3a&crid=2ZS2G8HS5F695&sprefix=raspberry+pi+model+3a%2Caps%2C825&ref=nb_sb_noss_1	\$59
2	Power Supply Pi3, US, 5.1V, 2.5A, CanaKit	https://www.amazon.com/CanaKit-Raspberry-Supply-Adapter-Listed/dp/B00MARDJZ4/ref=sr_1_3?crid=2V6NZ9VAJGPTX&keywords=raspberry+pi+power+supply+model+3&qid=1677446767&sprefix=raspberry+pi+power+supply+model+3%2Caps%2C123&sr=8-3	\$10
3	microSD card, class 10, 8GB, Verbatim	https://www.amazon.com/Verbatim-Premium-microSDHC-Memory-Adapter/dp/B00CBAUI40/ref=sr_1_14?crid=CVLC55TXI348&keywords=microSD+8GB+class+10&qid=1677446885&sprefix=microsd+8gb+class+10%2Caps%2C115&sr=8-14	\$6
4	DB9 D-sub, male breakout	https://www.amazon.com/SHANFEILU-Breakout-Connector-Solderless-Screwdriver/dp/B0B54GS4KV/ref=sr_1_5?crid=1PQRZUYAXA0GW&keywords=db9+d-sub+male+breakout&qid=1677447223&sprefix=db9+d-sub+male+breakout%2Caps%2C128&sr=8-5	\$8
5	RL-20 radio interface, assembled & tested	http://www.masterscommunications.com/products/radio-adapter/rl/rl20.html plus shipping	\$55

6. A SIMPLEX NODE requires a Baofeng Handi and One other radio, plus this connector.

1	Baofeng mic for the connector	https://www.amazon.com/Baofeng-BF-S112-Two-Radio-Speaker/dp/B008RZ0EQ0/ref=sr_1_3?crid=1V21OMADUCN4W&keywords=Baofeng+mic&qid=1677447637&sprefix=baofeng+mic%2Caps%2C153&sr=8-3	\$8
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7. A RF-LESS, SIMPLE DIGITAL RADIO requires a mic and computer powered speaker.

1	Mic compatible with Alinco EMS-57	https://www.amazon.com/GoodQbuy-Microphone-Alinco-DR-135-DR-235/dp/B07CSPD8F7/ref=sr_1_3?crid=3VMDT2O8WE9MG&keywords=ems-57+microphone&qid=1677448010&sprefix=ems-57%2Caps%2C106&sr=8-3	\$28
2	3.5mm (1/8") TRS stereo, female jack to wire	https://www.amazon.com/dp/B08PVHK2LW?psc=1&ref=ppx_yo2ov_dt_b_product_details	\$9
3	Computer powered speaker, 3.5mm male plug for input (important volume control in speaker not inline) usb powered is cleaner	https://www.walmart.com/ip/onn-Stereo-Speaker-with-Volume-Controls-3-6ft-3-5mm-Aux-with-USB-power-cable/803187184?athbdg=L1101	\$10

8. All digital radio nodes need item 5. Then choose one or the other, 6 or 7. If you want both 6 & 7, then add another DB9 connector.

9. Some items are cheaper purchased in multiple quantities. Find a friend to share.



10. Life is good. Enjoy!