

From: Adriana Sisfontes asisfontes@mbari.org 
Subject: RE: Mini ROV Network Connection to the David Packard
Date: February 26, 2026 at 4:35 PM
To: Joe Gomez jgomez@mbari.org, Eric Martin emartin@mbari.org, Johann Voigtlander jvoigtlander@mbari.org, Drew Bewley dbewley@mbari.org, Leland Murphy lmurphy@mbari.org
Cc: Ian Leik ileik@mbari.org, Alana Sherman alana@mbari.org, Kavi Engel kavi@mbari.org, Kevin Gomes kgomes@mbari.org, Travis Baraki tbaraki@mbari.org, Doug Conlin conlin@mbari.org, Frank Flores frank@mbari.org

Hi there,

Eric and a few of us met today to revisit the network diagram. Here is the latest version available – thank you Johann and Eric for updating it!

A few agreements we'd like the extended team to be aware of regarding the tasks next week:

1. We will use only 4 copper cables between the van and the DP deck network drops. Fiber will be explored for future use cases - I have a few ideas to make this happen... =)
2. The bridge connection between the wifi router and CoMPAS Net router is a raspberry pi with dual NICs. There is no direct connection between switches.
3. I.S configured a 10-port switch that we will use inside the Mini ROV van to extend the ROV, Science, ROV-headsets networks to the van. Johann will help us install that in the van. Uplink connection will be determined Monday once the van is in place.
4. I.S (Andrew McCann) will help us get Bastian MBARI's Tailscale VPN access to the internal network. They will work with Johann to configure a raspberry pi to be used as an internal gateway to the Mini ROV network vs having to do a non-standard VPN setup.
5. We reduced the number of direct patch panel passthroughs – as of now, we only have 1 going to the Auxiliary lab at a TBD spot for the CoMPAS Lab to connect a dedicated 10G switch.
6. "Megatuna" will be installed at the Auxiliary lab IDF rack – we instructed the team to cross check they have the correct power cables.
7. The Telepresence hardware will be installed at the Mini ROV van.

Future steps:

- Adriana, Eric and Johann will collaborate to take a closer look at the Mini ROV networks and define if we could simplify it + remove the need to have two separate routers. Multicast/broadcast containment will be required.
- Adriana and Doug will investigate ways to make the van physical cable connections more robust and simpler long term – copper and fiber. We will present the potential solutions to DMO once defined.
- I.S would like to expand the use case for MBARI Tailscale to remove the need to extend the CoMPAS Net to the AUX lab completely. This will allow people to work from anywhere vs having to sit at a specific spot. 10G throughput and point to point communication would need to be tested.

Eric confirmed they will not sail next week, all tasks will be done at the dock. We still need Drew's help to define the intercom stations at the Aux lab and the van + remote access to 4D Nav and Sonardyne.

As agreed in our last meeting, I.S is expecting to be able to start network fine tuning

As agreed in our last meeting, I.O is expecting to be able to start network line turning around 1pm or so on Monday 3/2 – please do let us know if tasks are delayed for any reason.

Thanks all for your help!

Adriana Sisfontes (she/her)
Information Systems Senior Network Administrator
P (831) 775-1924



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From: Joe Gomez <jgomez@mbari.org>
Sent: Wednesday, February 18, 2026 9:57 AM
To: Eric Martin <emartin@mbari.org>; Alana Sherman <alana@mbari.org>; Adriana Sisfontes <asisfontes@mbari.org>; Doug Conlin <conlin@mbari.org>; Johann Voigtlander <jvoigtlander@mbari.org>; Kavi Engel <kavi@mbari.org>; Drew Bewley <dbewley@mbari.org>; Kevin Gomes <kgomes@mbari.org>; Frank Flores <frank@mbari.org>; Leland Murphy <lmurphy@mbari.org>
Cc: Ian Leik <ileik@mbari.org>; Travis Baraki <tbaraki@mbari.org>
Subject: Re: Mini ROV Network Connection to the David Packard

Hi [@Drew Bewley](#) and [@Leland Murphy](#),

Please provide your availability so that we can schedule a meeting regarding the MiniROV and integration into the R/V David Packard.

Thanks,

Joe Gomez
Information Systems Manager
(831) 775-2075 | [Book a Meeting](#)



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From: Joe Gomez <jgomez@mbari.org>
Sent: Monday, February 9, 2026 10:50 AM
To: Eric Martin <emartin@mbari.org>; Alana Sherman <alana@mbari.org>; Adriana Sisfontes <asisfontes@mbari.org>; Doug Conlin <conlin@mbari.org>; Johann Voigtlander <jvoigtlander@mbari.org>; Kavi Engel <kavi@mbari.org>; Drew Bewley <dbewley@mbari.org>; Kevin Gomes <kgomes@mbari.org>; Frank Flores <frank@mbari.org>; Leland Murphy <lmurphy@mbari.org>
Cc: Ian Leik <ileik@mbari.org>; Travis Baraki <tbaraki@mbari.org>
Subject: Re: Mini ROV Network Connection to the David Packard

Adding [@Leland Murphy](#)

From: Joe Gomez <jgomez@mbari.org>
Sent: Monday, February 9, 2026 10:48 AM
To: Eric Martin <emartin@mbari.org>; Alana Sherman <alana@mbari.org>; Adriana Sisfontes <asisfontes@mbari.org>; Doug Conlin <conlin@mbari.org>; Johann Voigtlander <jvoigtlander@mbari.org>; Kavi Engel <kavi@mbari.org>; Drew Bewley <dbewley@mbari.org>; Kevin Gomes <kgomes@mbari.org>; Frank Flores <frank@mbari.org>
Cc: Ian Leik <ileik@mbari.org>; Travis Baraki <tbaraki@mbari.org>
Subject: Re: Mini ROV Network Connection to the David Packard

Hello everyone,

Thank you for your time last week. After our initial discussion about network and ship requirements for integrating the Mini ROV with the *R/V David Packard*, it became clear we need to broaden the conversation to include additional people. After feedback, I've added [@Drew Bewley](#) and [@Frank Flores](#) as required and [@Kevin Gomes](#) as optional.

Again, the goal of this meeting is to continue the conversation between key teams on what's required to integrate the Mini ROV into the *R/V David Packard*. **While my focus is on the network side, there are several outstanding vessel-related questions that would benefit from a group discussion.**

Scheduling poll

Re: Mini ROV Network Connection to the David Packard

 1 hour duration

 20 time options

 Teams

[Vote](#)

[View all your polls](#)

Please fill out the availability poll for scheduling and I will schedule when all required parties are available.

Thanks,

Joe Gomez
Information Systems Manager
(831) 775-2075 | [Book a Meeting](#)



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From: Eric Martin <emartin@mbari.org>
Sent: Tuesday, December 2, 2025 1:16 PM
To: Alana Sherman <alana@mbari.org>; Ian Leik <ileik@mbari.org>
Cc: Johann Voigtlander <jvoigtlander@mbari.org>; Joe Gomez <jgomez@mbari.org>;
Adriana Sisfontes <asisfontes@mbari.org>; Doug Conlin <conlin@mbari.org>
Subject: Re: Mini ROV Network Connection to the David Packard

I've been responsible for network management on the CoMPAS Lab side, and would like to participate to make sure we stay in compliance as well. This cruise also would like to request telepresence for remote participants, and I expect that too will require further discussion.

Eric

From: Alana Sherman <alana@mbari.org>
Sent: Tuesday, December 2, 2025 9:21 AM
To: Ian Leik <ileik@mbari.org>
Cc: Johann Voigtlander <jvoigtlander@mbari.org>; Joe Gomez <jgomez@mbari.org>;
Adriana Sisfontes <asisfontes@mbari.org>; Doug Conlin <conlin@mbari.org>; Eric Martin <emartin@mbari.org>
Subject: Re: Mini ROV Network Connection to the David Packard

Hi Ian

Johann and/or I will be handling the network connection, depending on when the Mini finally gets back. We should include Frank as well, so he is in the loop. We need to include someone from Giancarlo Troni's team, as they will drive many of the network needs. I am including Eric Martin on this email as he can decide who should be included. Due to noncompliance with many Mini computers, most Mini machines can't be on the Packard network. I will send a network diagram to this group before the meeting.

Alana

On Dec 1, 2025, at 9:40 PM, Ian Leik <ileik@mbari.org> wrote:

Alana and Johan,
We would like to set up a kickoff meeting with your team, IS and some of the David Packard crew to establish what network connections will be required for the Mini ROV. Andrew McKee's last working day will be the 19th of December, and we have not selected a replacement captain yet.

So I would like to schedule a meeting to discuss the detail to keep things moving along so IS has adequate time to support any special requests.

Who are the key POC for the mini ROV team for this meeting?

Ian Leik

Marine Operations Manager

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