

Baehr Verso-XL Communication System & 2013 BMW F800GS Installation Guide

By Mark Carrera, M.A. May 2014

	<p>1) Remove seat and cut away the plastic tabs of the small storage space under the seat, a Dremel cutting-tool works great but a small piece of a hacksaw works. This modification provides needed clearance for fitting the Verso-XL and offers the best protection of the Baehr media unit.</p>
	<p>2) Remove the shock adjustment tool, stash this in another place on the bike such as a tank-bag where it's more assessable. This is a MUST do, the Verso-XL won't fit with the adjustment key in place.</p>
	<p>3) Place the Verso-XL unit onto the bike as shown in picture, the cables to the rear and the control ports to the front of the bike. NOTICE how snug the Verso-XL unit fits into the space where the shock adjustment tool was; Its a perfect fit!</p>

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	<p>4) Secure the Verso-XL with a strip of hook & loop material, sliding it under the plastic bracket that holds the F800's diagnostic port, there is enough room for about a 1" strip to tightly secure the Verso-XL unit to the bike.</p>
	<p>5) OPTIONAL: Baehr's Bluetooth transmitter is a nice option, it can be strapped on top of the Verso unit as shown in the picture.</p>
	<p>6) For cable running, remove both side access panels and the two rear-most screws for the side panels. Run cables up each side of the air-box/battery housing. Depending on the preference of the driver-rider, select appropriate sides for running cables. NOTE: Most communication cables are mounted on the left side of helmets, running the driver's helmet cable up the left side of the bike is suggested.</p>

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7) Its best to route cables is along each side and up under the plastic side covers, coming up next to the battery (see the heavy black cable, in picture).
NOTE: It is advisable to PULL both side covers and secure cables next to the frame, however, its' not necessary to get the job done.

NOTE: The picture shows a Centec-2 power management hub, Centecs are highly recommended by BMW-Motorad to manage accessory power draw. CanBus systems are tricky when adding accessories that draw power.



8) Remove the BMW power socket, and run the drivers helmet-cable up the left side of the bike and to the ignition-plate socket. A Dremel tool or small round-file is best, round the inside edge of the socket-hole, GO SLOW, and ensure the FEMALE end of the Verso-XL cable fits tightly into the modified socket hole. Secure the cable end with some soft but tough glue such as ShoeGoo, this will provide a watertight seal as well as strength.

If the electrical port is needed, just run the cable under the left-had side-cover and up next to the ignition.

NOTE: The ignition cover is not expensive, so returning the bike to stock won't break the bank.

Use a plastic end cap (included in the Baehr kit) to cover the connector when helmet com's cable is removed.

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9) The Push to Talk Buttons are key features of the the Baehr systems. There are many ways to use them with communication devices, deciding ahead of the time is necessary to decide cable routing and what operates what.

PTT's can be really handy for answering calls, talking through two-way radios and Citizen Band radio operation.

The picture (left) shows two (yellow) Baehr PTT buttons and a black PTT button which is an on-off switch for Denali auxiliary lights. The two yellow buttons are part of the Baehr system.

The F800G used for this tech-write was configured as such:

- GPS (Garmin 660L), wired to the MP3-XM radio line on the Verso-XL (solid black line).

- 1st dedicated (green label) line to an Iphone5 (top PTT button in picture).

NOTE: the PTT to the I-phone5 is used to ANSWER incoming calls and to END calls, not as a talk-switch (like a two-way radio).

- 2nd dedicated (green label) line to a Motorola GMRS two-way radio (lower PTT button). This PTT-button activates the talk-listen feature on the two-way radio, an extension of the radios operating button.

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	<p>10) When installation is completed, the wiring nest should look something like the picture (left). There is just enough room under the seat to capture all of the cables if coiled neatly and carefully place to avoid rub and pinch points.</p>
	<p>11) Notice the routing of the cable from the Verso-XL, its routes behind the black plate, then between the black plate and side panel (when the mount screw is removed, the side panel and black plate flexes just enough), and up to the battery cover area and front of the bike.</p>
	<p>12) Take care to avoid placing cables onto areas where the seat pads connect with the frame, in most cases the frame has visible rub-patterns, identifying (clearly) areas to avoid. A pinched cable can cause it damage and the seat might not secure properly, creating a dangerous or mechanically unsafe situation for bike and rider(s).</p> <p>13) Play it safe, always! Put small piece of colorful (Duct) tape on the areas to clearly identify them. There are 6 contact points plus two pins at the front of the seat pan.</p>

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14) Take your time, a good planning for cable routing and connections should result in clean system, a neat coil of cables under the seat, great placement and ease of functionality for your accessories.

NOTE: Before closing up side panels, battery covers, or re-attaching the seat, check ALL of your accessories by listening to some music, place a phone call, try your two-way radio with a buddy.

Tools needed for this installation are standard tools for such work. A torx-head driver for removal of the side panel screws and the battery cover, duct & electrical tape, some small tie-wraps, side cuts, and basic mechanics tools. NOTHING special is needed for the installation. However, it is HIGHLY recommended that the installer understand the features and functions of the Baehr Verso-XL prior to installing it. Several choices concerning cable route and use is needed beforehand to ensure satisfactory installation is achieved and re-working is avoided. At Baehr, riding, rather than re-doing our work, is our goal!

Safety issues:

Baehr highly recommends getting to know your accessories and how to use them PRIOR to riding and using them!

Take some time in a stationary position to make calls, receive calls, operate GPS, listen to music, or talk on a two-way radio or CB.

Remember, each time a media accessory is added, it adds several tasks that can distract the driver unfamiliar with basic operation of the unit.