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BRPC Software Development Kit (SDK)

Thank you for choosing to use Navico BRPC Software Development Kit (SDK). This SDK incorporates software libraries for you to use within your development system to create application(s) that can interface BRPC supported Navico Radars. This document contains some important information about this SDK, where to get additional information and where to get help.

BRPC SDK

This SDK has been provided to you because you have:

- Completed and returned a BRPC survey
- Signed and returned a Navico NDA non-disclosure agreement
- Signed and returned a Navico BRPC supply license agreement

Please note that this is your copy and must not be copied or forwarded to anyone outside of your organization (i.e. not covered by the above agreements); and must be used for the intended purpose.

Getting Information (General BRPC enquiries)

For general enquiries about the BRPC Software Development Kit (SDK) please use the following email address: For general BRPC enquiries, email: brpc-info@navico.com

Getting Help (Technical Support)

Navico will provide Technical Support to your developers using the BRPC SDK. In order to get support, you must first purchase a BRPC Technical Support package. A BRPC Technical Support package provides for 5 hours of telephone or email support; each support call uses a minimum of 0.5 hour per call. In the case of email support, the Navico Support department will advise any time used, but again a minimum of 0.5 hour will be used. BRPC Technical Support packages can only be used for supporting the BRPC SDK directly. Please check the BRPC FAQ document first before requesting Technical Support.

You can request Technical Support by emailing: brpc help@navico.com

To purchase a BRPC Technical support package, please contact your **BRPC representative** as indicated above.

Purchasing BRPC Un-Lock keys

Unlock Keys are required to be purchased in order to unlock a BRPC supported Navico radar. Each and every radar will require its own unique Unlock Key.

There are 2 Lock Levels: LL1 and LL2. Each level unlocks a certain amount of radar functionality – see the Controls.pdf document for information on the lock level functionality.

To purchase a BRPC Unlock Key, a Lock-ID must first be generated by the radar you want to unlock and use with the BRPC SDK.

Follow the 'How to get an Unlock Key' procedure outlined below and send the details to your **BRPC** representative as indicated above.

navico

www.navico.com

How to get an Unlock Key:

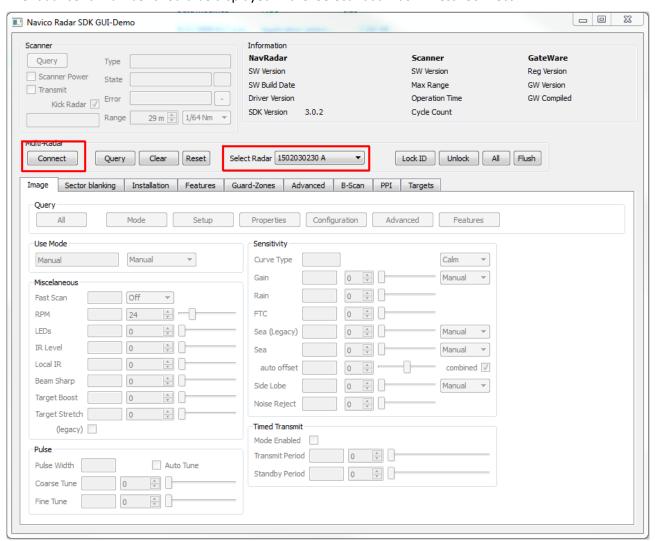
- 1. Generate the Lock-ID:
 - A unique Lock-ID must be gained from each Radar to be unlocked. The procedure below shows
 a simple method of generating the Lock-ID using the Demo application that is provided with the
 SDK library. Note: Each radar has its own unique Lock-ID; you must generate a Lock-ID for each
 radar that you wish to use the SDK with.
- 2. Send the Lock-ID to Navico:
 - Send the Lock-ID along with the Radar Serial number and your Unique ID number (BRPCxxx as
 indicated at the top of this letter) to Navico. All of these details are required for Navico to
 generate the Unlock Key. Complete the form later in this document and send to your BRPC
 Representative.
- 3. The Unlock Key will be emailed to you once proof of payment is confirmed.

How to generate the Lock-ID:

The Radar must be connected to the PC – run the demo application that was provided with the BRPC SDK libraries.

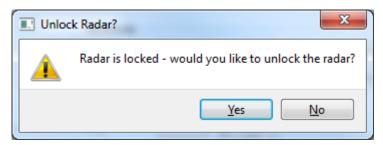
Note: if this is the first time running the demo application, you will need to allow access through your firewall. Ensure Private and Public network access is granted.

The radar serial number should be displayed in the 'Select Radar' box. Press 'Connect':

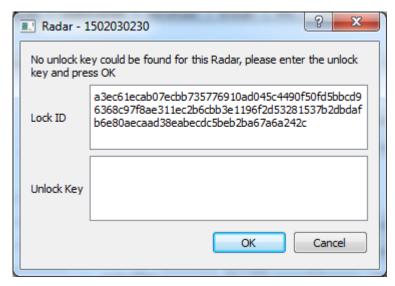


At this stage, you will not be able to **Connect** to the Radar as it is not yet unlocked - an error message will result:

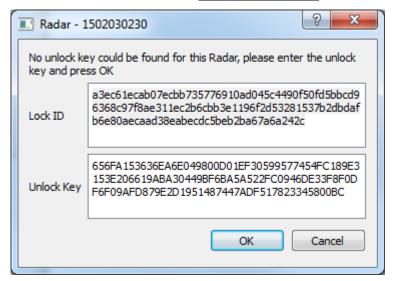




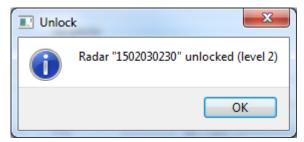
Click Yes to show the Lock-ID screen.



Send the full text shown in the **Lock ID** field along with the serial number of the Broadband Radar to Navico. Lock ID must be sent in <u>editable text format</u>.



Navico will send you the Unlock Key for this radar. Cut & Paste into the Unlock Key field and click OK.



The radar is now unlocked and ready for use with the SDK Library.

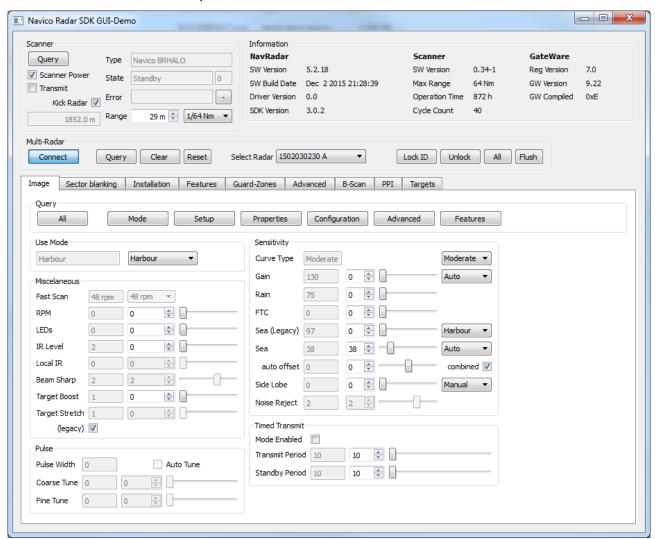


Before operating the radar, please ensure it is safe to do so:

BEFORE POWERING THE DEVICE

ENSURE A SAFETY PERSON HAS CONFIRMED WAVEGUIDE IS NOT OPEN/EXPOSED

- Observe safety precautions especially for open-array PULSE and PULSE COMPRESSION radars.
- DO NOT OPERATE without the Antenna/Array installed, or a suitable dummy load is installed.
- Observe minimum safety distances.





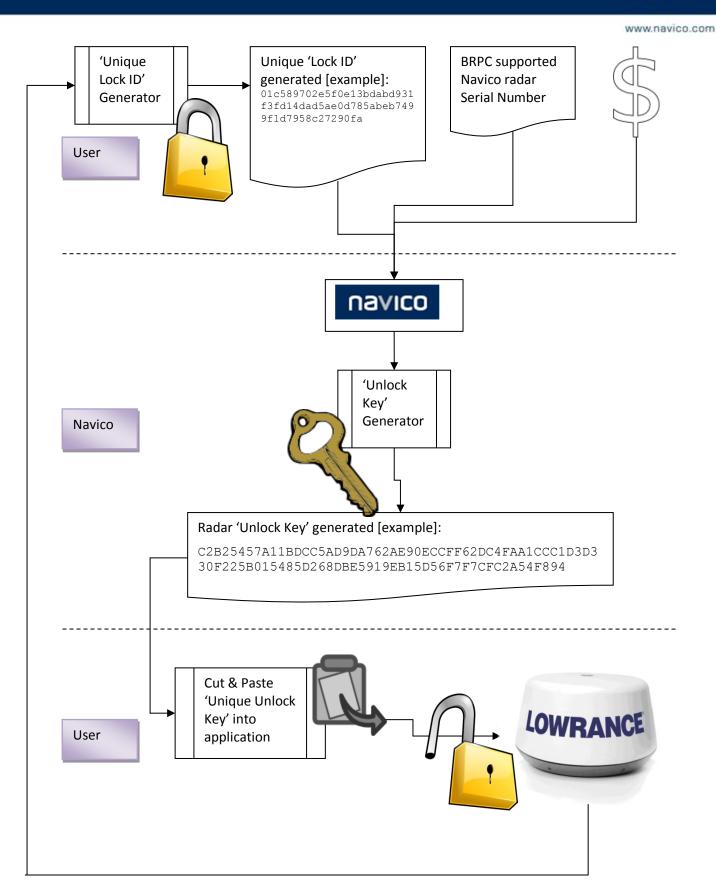
RF POWER AMPLIFIER SAFETY



DO NOT OPERATE

unless covered and terminated correctly







Use this form when requesting an **Unlock Key** from Navico:

Company Name:		
Unique ID:		
PO or reference:	Radar model:	
	(BR24, 3G, 4G) Unlock Level:	
Radar Serial number:	(LL1 or LL2)	
Lock-ID:		
Unlock Key: (NAVICO to complete)		
Company Name:		
Unique ID:		
PO or reference:	Radar model: (BR24, 3G, 4G)	
Radar Serial number:	Unlock Level: (LL1 or LL2)	
Lock-ID:		
Unlock Key: (NAVICO to complete)		
Company Name:		
Unique ID:		
PO or reference:	Radar model: (BR24, 3G, 4G)	
Radar Serial number:	Unlock Level: (LL1 or LL2)	
Lock-ID:		
Unlock Key: (NAVICO to complete)		