

# Software Release Note

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(軟體發佈說明書)

**Product:** DWR-921 C3  
**Version:** v01.01.3.014

**Engineer by:**  
(22, May. 2020)

**Release History:**

#	Version	Date	Description	Revision
1.	V1.00b01	2016/08/17	Initial version	
2.	V1.00b02	2016/09/21	Update "change list"	
3.	V1.00b03	2016/11/03	Update "change list"	
4.	V1.00b04	2016/12/21	Update "change list"	
5.	V01.01.3.001	2017/03/23	Apply new FW naming rule for FOTA function	
6.	V01.01.3.002	2017/04/05	Update "change list"	
7.	V01.01.3.003	2017/04/24	Update "change list"	
8.	V01.01.3.004	2017/05/09	Update "change list"	
9.	V01.01.3.005	2017/06/12	Update "change list"	
10.	V01.01.3.006	2017/08/23	Update "change list"	
11.	V01.01.3.010	2019/10/01	Update "change list" and table format	
12.	V01.01.3.011	2020/02/24	Update "change list"	
13.	V01.01.3.013	2020/04/28	Update "change list"	
14.	V01.01.3.014	2020/05/22	Update "change list"	

**Release Image Filename:** DWR-921-C3-WW-V01.01.3.014-2020-05-13

**Firmware Version:** v01.01.3.014

**Release Date Information:** May. 22, 2020

## Change List:

Release Date	FW Version	Change List
2016/08/17	v1.00b01	New changed: 1. DWR-921 C3 for generic version
2016/09/29	v1.00b02	Fixed: 1. It is impossible to change the preferred service type. When we change preferred service type for example to ""Only 3G"" device is still working in LTE mode. 2. LEDs in front panel on device indicate network modes are not working. 3. USSD can't work 4. Change Default WiFi Security Mode to Auto (WPA or WPA2) with TKIP and AES 5. Change string failover (3G) to failover (4G LTE/3G) 6. Add Maximum Idle Time setting in Administration page.
2016/11/03	v1.00b03	Fixed below issues to enhance security: 1.Reboot & Reset Path Traversal 2.Portable SDK for UPnP Devices (libupnp) < 1.6.18 Multiple Stack-based Buffer Overflows 3.Unauthenticated Access: /sms2.htm 4.Unauthenticated Access: /uir/dldif.htm 5.Cookie without HttpOnly flag set 6.Browser Exploit Against SSL/TLS Attack (BEAST) 7.Cross Frame Scripting: All Page 8.Padding Oracle On Downgraded Legacy Encryption(POODLE) 9.Support Weak SSL Protocol 10.TLS/SSL Server Supports Weak Cipher Algorithms 11./log/in Unvalidated Redirects

		12. Clear Text Password Stored in Web Page: /uir/adv_dns.htm
2016/12/21	v1.00b04	<p>Fixed below issues to enhance security:</p> <ol style="list-style-type: none"> <li>1. TLS1/SSLv3 Renegotiation Vulnerability</li> <li>2. Certificate signing algorithm</li> <li>3. SSDP Amplification Attack</li> <li>4. Unique SSL Certificate and Public Key</li> <li>5. DNS Open Relay</li> <li>6. DDNS Amplification Attack</li> </ol> <p>Fixed D-Lab report bugs (Case ID--description):</p> <ol style="list-style-type: none"> <li>1. DBG16120008 (The Serial number and Public key should be different before/after factory default)</li> <li>2. DBG16120055 (DUT LAN LED twinkle when LAN PC access connected. (No traffic))</li> </ol>
2017/03/23	V01.01.3.001	<p>Fixed D-Lab report bugs (Case ID--description):</p> <ol style="list-style-type: none"> <li>1. DBG16110343 (Cannot connect to Chunghwa Telecom 2G networks.)</li> <li>2. DBG17010029 (In Network scan function, setting prefer mode should just scan prefer WAN type ISP.)</li> </ol> <p>Fixed below issues to enhance security:</p> <ol style="list-style-type: none"> <li>1. [OnSec-VUZ-105-24006]: Browser Exploit Against SSL/TLS Attack (BEAST)</li> <li>2. [OnSec-VUZ-105-24015]: /log/in Invalidated Redirects</li> </ol> <p>New Feature added:</p> <ol style="list-style-type: none"> <li>1. Changing FW naming rule to support FOTA (FW upgrade Over The Air)</li> <li>2. Add APN auto switch mechanism</li> <li>3. Add module keep-alive mechanism once a minute</li> <li>4. Change default setting value to "best" of WiFi key encryption in Setup Wizard.</li> </ol>

2017/04/05	V01.01.3.002	New Feature added: Add NV modifying mechanism to disable hot swap function on LTE module to enhance system reliability
2017/04/24	V01.01.3.003	Bug fixed: Fix the bug of "IP forwarding issue" only happens in V01.01.3.002
2017/05/09	V01.01.3.004	Bug fixed: 1. Fix the bug of "PIN CODE of SIM unlock failed" only happens in V01.01.3.003 2. Fixed "failover WAN DNS issue" only happens in V01.01.3.003 3. Fixed "Network Name display issue" only happens in V01.01.3.003
2017/06/12	V01.01.3.005	New Feature added: 1. Change keep alive IP from 8.8.8.8 (Google) to 8.8.4.4(Google) Bug fixed: 1. Browsing issues during failover
2017/08/23	V01.01.3.006	Bug fixed: 1. Fix D-Track case (HQ20170810000002): PPPoE failover to LTE WAN can access Internet but LAN PC issue 2. Fix D-Lab bug (DBG17080154): After PPTP connect successful, LAN PC client can't access Internet (web site, ping...). But L2TP connection is fine.
2018/03/14	V01.01.3.007	New feature added: 1. Update APN list 2. Add ping test on WebGUI 3. Enable HW NAT function to improve WiFi throughput Bug fixed: 1. Fix failover can't update DDNS server

2018/06/01	V01.01.3.008	New feature added: 1. Update APN list Bug fixed: 1. Fix MCC/MNC get failure
2019/03/28	V01.01.3.009	New feature added: Disable keep-alive function for Indonesia customer (PS: this is beta FW for certain project, not official release)
2019/10/01	V01.01.3.010	New feature added: 1. Resume keep-alive function 2. Update APN list
2020/02/24	V01.01.3.011	Bug fixed: 1. Fix kernel panic caused by WiFi SSID change 2. Fix FOTA upgrade fail caused by kernel panic 3. Fix Binwalk test fail issue
2020/02/27	V01.01.3.012	FOTA FW version for test only
2020/04/28	V01.01.3.013	Bug fixed: 1.( <a href="#">DBG20020150</a> ) SMS sending error 2.( <a href="#">DBG20030023</a> ) Failover function test---primary WAN is 3G 3. Enable ECDH and add auto re-direct from HTTP to HTTPS to enhance security
2020/05/22	V01.01.3.014	Bug fixed: (DBG20050435) Can't upgrade from Remote Server.  New feature added: Update APN list to 2020 Q2 ver.