

# How to fix problem when setting AP D-Link DIR-605L (Router is Bridge Mod) to use TrueDDNS with CCTV

- 1. Check IP Address and Port of CCTV to set Port Forwarding at Router
- 1.1. Check DVR settings that used to record video from all cameras in house (ex. Watashi CCTV)
- Type IP Address of DVR at Browser Example: 192.168.0.108 then press Enter, it'll lead to Login page
- Enter Username and password of DVR then press Log in

\*\* in case don't know IP Address, Username and password of DVR, ask the technician who installs DVR



1.2. Check IP Address, go to Setting > network > TCP/IP

# • IP Address of DVR : 192.168.0.108

| HATASHI SERVICE      | ภาพสด           | ดูย้อนหลัง | ค้นหาใบหน้า | ส้ญญาณเตือน | ตั้งค่า |
|----------------------|-----------------|------------|-------------|-------------|---------|
| ระยะไกล              | TCP/IP          |            |             |             |         |
| ์ เครือข่าย          |                 |            |             |             |         |
| > TCP/IP             | เวอร์ชั่น IP    | IPv4       | ~           |             |         |
| > การเชื่อมต่อ       | MAC Address     | 3c ef      | 8c 14 3c 1d |             |         |
| > อินเตอร์เน็ตไร้สาย | โหมด            | • คงที่    | O DHCP      |             |         |
| > 3G/4G              | IP Address      | 192 _ 1    | 68 0 108    |             |         |
| > PPPoE              | Subnet Mask     | 255 2      | 55 255 0    |             |         |
| > DDNS<br>> IP กรอง  | Default Gateway | 192 _ 1    | 68 0 1      |             |         |



- 1.3. Check Port, go to Setting > network > connectionMostly used ports are:
- TCP Port : 37777 (Port to view camera via Application on Smart Phone)
- HTTP Port : 81 (Port to view camera via Web Browser)

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|----------------------|-----------------|-----------------------|-------------|------------------|---------|
| ระยะไกล              | เชื่อมต่อ       | HTTPS                 |             |                  |         |
| ์ เครือข่าย          |                 | and the second second |             |                  |         |
| > TCP/IP             | เชื่อมต่อสูงสุด | 128                   | (0          | ~128)            |         |
| > การเชื่อมต่อ       | ช่อง TCP พอร์ต  | 37777                 | (1          | 025~65535)       |         |
| > อินเตอร์เน็ตไร้สาย | พอร์ต UDP       | 37778                 | (1          | 025~65535)       |         |
| > 3G/4G              | พอร์ต HTTP      | 81                    | (1          | ~65535)          |         |
| > PPPoE              | พอร์ต HTTPS     | 443                   | (1          | ~65535) 📃 ใช้งาน |         |
| > DDNS               | พอร์ต RTSP      | 554                   | (1          | ~65535)          |         |

1. Type https://trueddns.com/login at Browser then press Enter

Login by using registered Username and password then press Login

| ← → C | i Jaaw/Ju   https://trueddns.com/login  |             |      | Q Z | 1 |
|-------|---|-------------|------|-----|---|
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|       | USITIS True DDNS  |             |      |     |   |
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|       | ເວັ້ດເປັງເຫັງໃຫ້<br>  |             | ŝ    |     |   |
|       | รศักร์น   |             |      |     |   |
|       | and and and an | ET sites    |      |     |   |
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|       | (Gomelium True DDNS   |             |      |     |   |
|       | güəmseonadou True DONS.   |             |      |     |   |
|       | maxiation and true online   |             |      |     |   |



#### 2.1 Select Service management

- Pairing Port to align with DVR
- Port 11000 : set TCP name to be the same as TCP Port of DVR, click turn ON behind button
- Port 11001 : set HTTP name to be the same as HTTP Port of DVR, click turn ON behind button
- When finished, press Confirm

| True DONS                           |                                |   |              |                         | ΩTH                  | EN |
|-------------------------------------|--------------------------------|---|--------------|-------------------------|----------------------|----|
| อ่านวนพู้ลงทะเบียน<br>ปัจจุปัน<br>2 | ยินดีต้อนซีบ คุณ lab123        |   |              |                         |                      |    |
| จัดการบริทางผู้ใช้                  | งัดการบริการญี่ใช้งาน          |   |              |                         | Ø                    |    |
| การจัดการสง<br>กะเบียน              | ชื่อโตมน<br>พอร์ดที่ใช้ทั้นทมด | 2 | ddie555.true | 0                       |                      |    |
| งัดการศาสนาม                        | พอซ์ตที่ใช้                    |   | wəśa         | ชื่ออุปกรณ์ที่เชื่อมต่อ |                      |    |
| Monitor App                         |                                | 1 | 11000        | DVR1 TCP                |                      |    |
| 0000008:00                          |                                | 2 | 11001        | DVR1 HTTP               | <b>O</b>             |    |
|                                     |                                |   |              |                         | อันอันกระหรือ เอกซิก |    |



3. Input Port numbers from TrueDDNS to replace old Port numbers of DVR

| เชื่องสาด       | HTTPS   |                    | reformio           | HTTPS    |   |
|-----------------|---------|--------------------|--------------------|----------|---|
| เชื่อมต่อสูงสุด | 128     | (0-128)            | เชื่อมหาสุงสุด     | 128      | (0-128)   |
| tiəa TCP wətin  | 37777   | (101-0000)         |                    | 11000    | (1025-65535)  |
| wasia UDP       | 37778   | (102565535)        | wardin UDP         | 37778    | (1025-65535)  |
| worlia HTTP     | 81      |                    | internation design | 11001    | (1-65535)   |
| werfix HTTPS    | 443     | (1-65535) 🗔 Inlina | warfa HTTPS        | 443      | (1-65535) 🗌 Yelow   |
| wellic RTSP     | 554     | (1~66535)          | worlin RTSP        | 554      | (1-65535)   |
| ydaw RTSP       |         |                    | yılanı RTSP        |          | skhu>@ <ip address=""> &lt;#afa&gt;/camitealmor<br/>subtype: Code-Steam Type, Man Stream</ip> |
|                 | เป็นมีก | Refesh             |                    | าวันเด็ก | Refresh studia:   |

• When finished, press Save

4. Set up Port Forwarding at Router

# 4.1 Type 192.168.0.1

- Username = admin (auto)
- Password = type password (lowercase) then press Login

| SL Hardware Version : 82 Firmware Version : 2. | t Page : DIR-60SL              |
|--|--------------------------------|
| K  | -Link                          |
|  | Login<br>Login to the router : |
| User Name : admin<br>Password : password       |                                |
| Login  |                                |



#### 4.2 Press Advanced

| CURRENT NETWORK SETTING  |                                    |
|--|------------------------------------|
| The current network settings and the connection status are displayour wireless settings, please click the "Configure" button. You clicking "Advanced". | an also enter advanced settings by |
| Internet Settings  |                                    |
| Internet Connection : Dynamic IP (DHCP)  | Status : Connected                 |
| Wireless Settings  |                                    |
| Network Name (SSID) : CTCC_Docsis2   | Status : Encryption Configure      |
| Security : Auto (WPA or WPA2) -  | Personal                           |
| Network Key : ******   |                                    |
| Device Info  |                                    |
| User Name : admin  |                                    |
| Password : *****   |                                    |
| mydlink Account  |                                    |
| You have not activated mydlink service.  | Status : Not Connected Setting     |
| Cancel Advanced  | na Advance                         |
|  |                                    |



#### 4.3 Set up as follows:

### 4.3.1. TCP Port

- 1. Click a check to enable
- 2. Name : DVR1 TCP
- 3. Public Port : 11000
- 4. IP Address : IP 192.168.0.108
- 5. Private Port : 11000
- 6. Traffic Type : select Any
- 4.3.2. HTTP Port
  - 1. Click a check to enable
  - 2. Name : DVR1 TCP
  - 3. Public Port : 11001
  - 4. IP Address : IP 192.168.0.108
  - 5. Private Port : 11001
  - 6. Traffic Type : select Any
  - 7. when finished, press Apply

\*\* number of Port Forwarding depends on using device, may have only 1 port or more

| DIR-605L                          | Ĵ   | SETUP                             | ADVANCED  | MA  | INTENANCE     | STATUS   |
|-----------------------------------|-----|-----------------------------------|---|-----|---------------|--|
| Advanced Port<br>Forwarding Rules | AD  | VANCED PORT FO                    | RWARDING RULES  |     |               |  |
| Application Rules                 | red | lirection to an internal          | arding option allows you to<br>LAN IP Address and Private |     |               |  |
| MAC Filtering                     | ho  | sting online service su           | ch as FTP or Web Servers.                                 |     |               |  |
| ACL filter                        | Sav | ve Settings Don't Sav             | e Settings  |     |               |  |
| Traffic Control                   | 24  |                                   |   |     |               |  |
| Firewall & DMZ                    |     | 192 BZ 192 07 07                  | T FORWARDING RUL  | 5   |               |  |
| Advanced Wireless<br>Settings     | Rem | aining number of rule             | s that can be created : 24                                |     |               |  |
| Advanced Network                  |     |                                   |   |     |               | Traffic Type   |
| Settings                          |     | Name 2                            |   |     | 3 Public Por  | and the second se  |
| <b>B</b> 4 <sup>1</sup>           |     | DVR1 TCP                          | < Application Name  | • • | 11000 ~ 110   |  |
| Routing                           |     | IP Address 4                      |   |     | 5 Private Po  | 1. The second seco |
| Logout                            |     | 192.168.0.108                     | < Computer Name   | •   | 11000 ~ 110   | 000  |
|                                   |     | Name 8                            |   |     | 9 Public Por  | t  |
|                                   | 3   | DVR1 HTTP                         | < Application Name  | • • | 11001 ~ 110   | 001 12   |
|                                   |     | IP Address 10                     |   |     | 11 Private Po | rt Any 🔻   |
|                                   |     | 192.168.0.108                     | < Computer Name   | •   | 11001 ~ 110   | 001  |
|                                   |     | Contraction and here and here and |   |     | 0.11.0        |  |
|                                   |     | Name                              | 2   |     | Public Por    | τ  |
|                                   |     | Name                              | < Application Name  | • • |               | τ  |
|                                   |     | Name<br>IP Address                | << Application Name                                       | • • |               |  |



- 5. Close DDNS setting at Router
- Select Dynamic DNS
- Uncheck at Enable DDNS
- When finished, press Save Settings

| DIR-605L                     | SETUP  | ADVANCED              | MAI             | INTENANCE         | STATUS           |
|------------------------------|--|-----------------------|-----------------|-------------------|------------------|
| Device Administration        | DYNAMIC DNS  |                       |                 |                   |                  |
| Save and Restore<br>Settings | The Dynamic DNS featu<br>domain name that you l                              | have purchased (ww    | w.whateveryou   | rnameis.com) with | your dynamically |
| Firmware Update              | assigned IP address. Mo<br>addresses. Using a DDN<br>game server no matter v | S service provider, y | our friends can |                   |                  |
| System Check                 | -  |                       |                 |                   |                  |
| Schedule                     | 2  |                       |                 |                   |                  |
| Log Settings                 | Save Settings Don't Si   | ave Settings          |                 |                   |                  |
| Logout                       | DYNAMIC DNS SETT   | TINGS                 |                 |                   |                  |
|                              | Enable D   | DDNS : 🔲 <b>1</b>     |                 |                   |                  |
|                              | Server Ad  | dress :               | <<              | Select Dynamic DI | VS Server 🔻      |
|                              | Host   | Name :                |                 |                   |                  |
|                              | Usen   | name :                |                 |                   |                  |
|                              | Pass   | word :                |                 |                   |                  |
|                              | Tim  | neout: 567            | Hour            |                   |                  |
|                              | S  | tatus : Disconnecte   | d               |                   |                  |



#### Close DDNS setting at DVR

- Go to Setting > DDNS
- Remove a check mark
- Press Save

| WATASHI SERVICE                                  | ภาพสด                  | ดูป้อนหลัง | สัญญาณเตี    | он       | ตั้งค่า    | ออกจากระบบ |
|--|------------------------|------------|--------------|----------|------------|------------|
| ข่องทาง  | DDNS                   |            |              |          |            | 1. B       |
| ัเครื่อง่าย<br>> TCP/IP                          | 🗆 ไร้งาน               |            |              |          |            |            |
| <ul> <li>TCP/IP</li> <li>การเรื่อมห่อ</li> </ul> | UTERN DDNS             | NO-IP DE   | ONS          | ~        |            |            |
| > WIFI   | เขีร์ฟเวอร์ IP Address | watashir   | net.com      |          |            |            |
| > 3G   | พอร์ต                  | 80         |              |          |            |            |
| > PPPoE  | ชื่อโคลเน              | xxxx.wa    | tashinet.com |          |            |            |
| > DDNS   | รือสูใร้               | XXXX       |              |          |            |            |
| > Arnson IP                                      | รารัสท่าน              |            | •            | Ŷ        |            |            |
| > อินเอล์  | ระยะทำง                | 300        |              | วินาที(3 | 300~65535) |            |
| > UPnP   |                        |            |              | ที่นป    |            |            |
| > SNMP   |                        | มัน        | 11/1         | ทบปู     |            | สำเสิม     |

## 6. Overall settings

|  | DIR-605L                           | SETUP   | ADVANCED  | HAINTENANCE   | STATU5  |                    |                                 |
|--|------------------------------------|---|---|---|---|--------------------|---------------------------------|
| tendered in  | Advanced Port<br>Forwarding Rules  | ADVANCED PORT FO                                      | RWARDING RULES  |   |   |                    |                                 |
| delaus säästäättiituvaataucon 🛛 🔘<br>eelefähtuus 2 💭   | Application Rules<br>HAC Filtering | redirection to an interna<br>hosting online service a | varding option allows you<br>d LAVEUP Address and Priv<br>uch as FTP or Web Server<br>we Settings | to define a single public por<br>sta LAN port if required. This<br>5. | t on your router for<br>feature is useful for |                    |                                 |
| 1 1100 pwn 100 😐   | AD, Silver<br>Traffic Costy A      | 11  | RT FORWARDING RU  | 165   |   |                    |                                 |
| 2 1100 put HTTP 0 000  | Advanced Windess<br>Settings       | Renaming number of nul                                | les that can be created ; 2   | •   | Traffic Type                                  |                    |                                 |
|  | Advanced Net work<br>Settings      | 1 DVR1 TCP  | <ul> <li>Application No</li> </ul>  | re • 1000 - 100   | -   | MATASHI SERVICI    | C'ANNE.                         |
| ATASHT STATUSE mum yoluania An   | Rading                             | 142 168.0.108   | cc Corguter tae   | E. Drivata Davit  | Are . *                                       | i salan<br>Katam   | récute                          |
| wither TPP   |                                    | 2 DVR1 HTTP   | ex Application No.  | ne T 1201 - 120   |   | > TOPIP            | damper 128<br>millioneth 125    |
| The second secon |                                    | 712.568.0.500   | Stall Computer Nam  | e • 1000 - 000  | An T  | > hardility        | seta 1231 - 537                 |
| 9 Section 10 10 1 10   |                                    | hane  | <   | Public Part   |   | > 3040<br>> 1995af | artikHTTP 122<br>actikHTTP5 441 |
| Street Street Hask 250 250 20 0  |                                    | E P Address   | ed Computer tax   | Private Part  | Ary *   | > 1045             | sels105F 554                    |



- 7. Test the usage via Mobile Internet or Internet that is different from at home
- 7.1 Test CCTV App on Smart Phone
- Enter Domain name and Port number from TrueDDNS
- If it is correct, you'll see pictures from camera

|  |   |   |                   | \$410 ± 4014                                 | \$1          |            | 410                           | 3.4017:15  |
|--|---|---|-------------------|--|--------------|------------|-------------------------------|------------|
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|  | нова Ворилації боцка<br>1 11000 DVIII тор<br>2 11001 DVIII натр |   | in Username:      | admi   |              |            | Z                             |            |
|  | Chebrer   | 0 | Live Preview:     | Extra  | ner 1        |            |                               |            |
| 20   | อย่างหน้าเว็บ trueddns  |   | Playback:         | Estra  | 59           | Ŷ          | 습                             | 00         |
|  | an ione and tructions   |   |                   | <mark>Azarisanin</mark><br>Iert Live Preside | App uu Sma   | ort Phone  | · 囚                           | 0          |

- 7.2 Test the usage via Web
- Enter Domain name and Port number from TrueDDNS
  - e.g. eddie555.trueddns.com:11001
- If it is correct, you can access CCTV Web page

| WATASHI SERVICE × |             |     |        |
|-------------------|-------------|-----|--------|
|                   |             |     | _      |
| WEB SER           | VICE        |     | 5))) - |
| ส์อยู่ใช่         | admin       |     |        |
| รปลูมร.           |             | *   |        |
| עראחד.            | TCP         | ~   |        |
| United            | • LAN O WAN |     |        |
|                   |             |     |        |
|                   | เข้าของ มก  | ណីក |        |