

## Welcome to the Pi-Star Handicraft

### Foreword:

Hello dear reader, my problem was again and again when I wanted to see the list "last heard", the laptop was busy. So I was looking for a way to get all that comfortable and handsome. Although Pi-Star Tableau offers this option, it is not designed for mobile view. Above all, I did not want to be tied to a display on the hotspot, because I do not always sit in front of my hotspot. This add-on module works on the network, even if you give the MMDVM hotspot a hotspot connection on your mobile phone. So I sat down and found a way that provides me the last 5 QSO and a small art display view.

### Software Prerequisite:

Pi-star from V3.4.X  
Android mobile phone from version 7.1  
(Linux File System / PuTTY)

### Hardware requirement:

Mobile phone and MMDVM hotspot connected in the same network  
SD card slot if you do not have this. Please use PuTTY.

### Basics:

If you use Pi-star, you have the basic system.  
However, 2 files must be added to the system. You have 2 options

#### Option 1:

You work on a Linux file system This can also be done under Windows, there are programs so that you can access the Linux partition of Pi-star via the desktop.

#### Option 2:

You work on an SSH program like PuTTY and connect to the Pi-Star

### Execution:

If you work with the Linux File System you have to put the files in the folder  
/var/www/dashboard/mmdvmhost/  
insert

If you're working on PuTTY, you need to do the following:  
Log in to Pi-Star / SSH, then type in the following command

```
pi-star@pi-star(rw):~$ sudo nano /var/www/dashboard/mmdvmhost/ds-do4kgt.php
```

A text editor will open. There you enter the HTML / PHP code and save it with  
(Strg + O) and with Strg + X do you close editor? This is also done for the 2nd file.

## FILE WITH STORE

/var/www/dashboard/mmdvmhost/ds-do4kgt.php

---

```
<head>
<style type="text/css">
.auto-style1 {
    text-align: right;
}
.auto-style2 {
    text-align: center;
}
</style>
</head>

<?php
include_once $_SERVER['DOCUMENT_ROOT'].'/config/config.php';           // MMDVMDash Config
include_once $_SERVER['DOCUMENT_ROOT'].'/mmdvmhost/tools.php';         // MMDVMDash Tools
include_once $_SERVER['DOCUMENT_ROOT'].'/mmdvmhost/functions.php';     // MMDVMDash Functions
include_once $_SERVER['DOCUMENT_ROOT'].'/config/language.php';         // Translation Code

require_once($_SERVER['DOCUMENT_ROOT'].'/config/ircddblocal.php');
$page = $_SERVER['PHP_SELF']; $sec = "1"; header("Refresh: $sec; url=$page");
?>

<body bgcolor="#000000" text="#FFFFFF" style="width: 486px; height: 160px">

<table>
<tr>
<td style="width: 116px" class="auto-style1"><strong>RX</strong></td>
<td bgcolor="#008000" class="auto-style2"><?php echo getMHZ(getConfigItem("Info",
"RXFrequency", $mmdvmconfigs)); ?></td>
<td style="width: 43px" class="auto-style1"><strong>TX</strong></td>
<td bgcolor="#FF0000" class="auto-style2"><?php echo getMHZ(getConfigItem("Info",
"TXFrequency", $mmdvmconfigs)); ?></td>
<td><?php echo"<td>$listElem[9]</td>"; //rssi ?> </td>
</tr>
</table>

<table style="width: 366px; height: 48px;">
<tr>
<th class="auto-style2" style="width: 139px"><a class="tooltip" ><?php echo $lang['mode'];?
>
<th style="width: 123px" class="auto-style2"><a class="tooltip" ><?php echo
$lang['callsign'];?><br><?php echo $lang['target'];?><br>
<th class="auto-style1"><a class="tooltip" ><?php echo $lang['ber'];?>
</tr></form>
<hr style="width: 550px">

<table style="width: 386px">

<?php
$i = 1;
for ($i = 0; ($i <= 1); $i++) {
    if (isset($lastHeard[$i])) {
        $listElem = $lastHeard[$i];
        if ( $listElem[2] )

{
    echo"<td align=\"center\">$listElem[1]</td>";

    if (is_numeric($listElem[2]) || strpos($listElem[2], "openSPOT") !== TRUE) {
        echo "<td align=\"center\">$listElem[2]</td>";
    } else if (!preg_match('/[A-Za-z].*[1-1]|[1-1].*[A-Za-z]/', $listElem[2])) {
        echo "<td align=\"left\">$listElem[2]</td>";
    } else {
        ?>
    }
}
```

```

        <td style="height: 27px; width: 141px;"><tr><tr>
<th style="width: 141px; height: 27px;"><?php
    if (strpos($listElem[2],"-") > 0) { $listElem[2] = substr($listElem[2], 0,
strpos($listElem[2],"-")); }
    if ( $listElem[3] && $listElem[3] != ' ' ) {
        echo "<td align=\"center\">$listElem[2]</a>/$listElem[3]</td>";
    } else {
        echo "<td align=\"center\">$listElem[2]</a></td>";
    }
}
?><td style="height: 27px"><tr>
<th style="height: 27px; width: 141px;" class="auto-style2"><?php
if ( substr($listElem[4], 0, 6) === 'CQCQCQ' ) {
    echo "<td align=\"center\">$listElem[4]</td>";
} else {
    echo "<td align=\"center\">".str_replace(" ","&nbsp;", $listElem[4])."</td>";
}
?><?php
if ($listElem[6] == null) {
    echo "<td style=\"background:#f33;\">TX</td><td></td><td></td>";
} else if ($listElem[6] == "SMS") {
    echo "<td style=\"background:#1d1;\">SMS</td><td></td><td></td>";
} else {
    echo "<td>$listElem[6]</td>";
}
?>
        <td class="auto-style2"><?php
// Colour the BER Field
if (floatval($listElem[8]) == 0) { echo "<td align=\"center\">$listElem[8]</td>"; }
elseif (floatval($listElem[8]) >= 0.0 && floatval($listElem[8]) <= 1.9) { echo "<td
style=\"background:#1d1;\">$listElem[8]</td>"; }
elseif (floatval($listElem[8]) >= 2.0 && floatval($listElem[8]) <= 4.9) { echo "<td
style=\"background:#fa0;\">$listElem[8]</td>"; }
else { echo "<td align=\"center\">\">$listElem[8]</td>"; }

        ?>
        <?php
    }
    echo"</tr>\n";
}
}
?></table>

```

---

## FILE WITH STORE

pi-star@pi-star(rw):~\$ sudo nano /var/www/dashboard/mmdvmhost/lh-do4kgt.php

/var/www/dashboard/mmdvmhost/lh-do4kgt.php

---

```
<head>
<style type="text/css">
.auto-style2 {
    text-align: center;
}
.auto-style3 {
    text-align: right;
}
</style>
</head>
<html>
<meta name="viewport" content="width=device-width,"></html>

<?php
include_once $_SERVER['DOCUMENT_ROOT'].'/config/config.php';           // MMDVMDash Config
include_once $_SERVER['DOCUMENT_ROOT'].'/mmdvmhost/tools.php';         // MMDVMDash Tools
include_once $_SERVER['DOCUMENT_ROOT'].'/mmdvmhost/functions.php';     // MMDVMDash Functions
include_once $_SERVER['DOCUMENT_ROOT'].'/config/language.php';         // Translation Code
$page = $_SERVER['PHP_SELF']; $sec = "0.5"; header("Refresh: $sec; url=$page");
?>
<body bgcolor="#000000" text="#FFFFFF">

    <table>

        <tr>
            <td style="width: 199px" class="auto-style3"><strong>RX</strong></td>
            <td bgcolor="#008000"><?php echo getMHZ(getConfigItem("Info", "RXFrequency",
$mmdvmconfigs)); ?></td>
            <td style="width: 43px" class="auto-style3"><strong>TX</strong></td>
            <td bgcolor="#FF0000"><?php echo getMHZ(getConfigItem("Info", "TXFrequency",
$mmdvmconfigs)); ?></td>
        </tr>
    </table>

</table>

    <hr>
    <table style="width: 648px">
        <tr>
            <th style="height: 27px" class="auto-style2"><a class="tooltip" ><?php echo $lang['mode'];?
>
            <th style="height: 27px; width: 71px;" class="auto-style2"><a class="tooltip" ><?php echo
$lang['callsign'];?>
            <th style="height: 27px" class="auto-style2"><a class="tooltip" ><?php echo
$lang['target'];?>
            <th style="height: 27px" class="auto-style2"><a class="tooltip" ><?php echo $lang['src'];?>
            <th style="height: 27px" class="auto-style2"><a class="tooltip" ><?php echo $lang['dur'];?>
            <th style="height: 27px" class="auto-style2"><a class="tooltip" ><?php echo $lang['loss'];?>
        </tr>
        <tr>
            <th style="height: 27px" class="auto-style2"><a class="tooltip" ><?php echo $lang['ber'];?>
            <th style="height: 27px; width: 155px;" class="auto-style2"><a class="tooltip" ><?php echo
$lang['rssi'];?>RSSI<span><b>
        </tr></form>

    <?php
$i = 1;
for ($i = 0; ($i <= 4); $i++) {
    if (isset($lastHeard[$i])) {
        $listElem = $lastHeard[$i];
        if ( $listElem[2] ) {
            echo"<td align=\"center\">$listElem[1]</td>";
        }
    }
}
```

```

if (is_numeric($listElem[2]) || strpos($listElem[2], "openSPOT") !== FALSE) {
    echo "<td align=\"center\">$listElem[2]</td>";
} elseif (!preg_match('/[A-Za-z].*[0-9]|[0-9].*[A-Za-z]/', $listElem[2])) {
    echo "<td align=\"left\">$listElem[2]</td>";
} else {
    if (strpos($listElem[2], "-") > 0) { $listElem[2] = substr($listElem[2], 0,
strpos($listElem[2], "-")); }
    if ( $listElem[3] && $listElem[3] != ' ' ) {
        echo "<td align=\"center\">$listElem[2]</a>/$listElem[3]</td>";
    } else {
        echo "<td align=\"center\">$listElem[2]</a></td>";
    }
}

if ( substr($listElem[4], 0, 6) === 'CQCQCQ' ) {
    echo "<td align=\"center\">$listElem[4]</td>";
} else {
    echo "<td align=\"center\">".str_replace(" ", "&nbsp;", $listElem[4])."</td>";
}

if ($listElem[5] == "RF"){
    echo "<td style=\"background:#1d1;\">RF</td>";
}else{
    echo "<td>$listElem[5]</td>";
}
if ($listElem[6] == null) {
    echo "<td style=\"background:#f33;\">TX</td><td></td><td></td>";
} else if ($listElem[6] == "SMS") {
    echo "<td style=\"background:#1d1;\">SMS</td><td></td><td></td>";
} else {
    echo "<td>$listElem[6]</td>";

    // Colour the Loss Field
    if (floatval($listElem[7]) < 1) { echo "<td>$listElem[7]</td>"; }
    elseif (floatval($listElem[7]) == 1) { echo "<td
style=\"background:#1d1;\">$listElem[7]</td>"; }
    elseif (floatval($listElem[7]) > 1 && floatval($listElem[7]) <= 3) { echo "<td
style=\"background:#fa0;\">$listElem[7]</td>"; }
    else { echo "<td style=\"background:#f33;\">$listElem[7]</td>"; }

    // Colour the BER Field
    if (floatval($listElem[8]) == 0) { echo "<td align=\"center\">$listElem[8]</td>"; }
    elseif (floatval($listElem[8]) >= 0.0 && floatval($listElem[8]) <= 1.9) { echo "<td
style=\"background:#1d1;\">$listElem[8]</td>"; }
    elseif (floatval($listElem[8]) >= 2.0 && floatval($listElem[8]) <= 4.9) { echo "<td
style=\"background:#fa0;\">$listElem[8]</td>"; }
    else { echo "<td align=\"center\">\">$listElem[8]</td>"; }

    echo"<td align=\"center\">$listElem[9]</td>"; //rssi
}
echo"</tr>\n";
}
}
}

```

---

Now let's copy the file `Pistar_Mobile_Dashboard.apk` to the phone. This must be installed. It is in demand whether apps with uncertain origin may be installed. This permission must be given. Then you have the app on your phone and you can use the Mobile Dashboard

Closing words:

The app and the dashboard are always developed a little bit further over time. New updates will be provided. Should there be any questions, problems or suggestions. Can I contact you under `DO4KGT@web.de`

I wish you much fun with it. Best regards from Tobias - DO4KGT

Ich wünsche euch viel Spass damit.  
Beste grüße von Tobias - DO4KGT