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**Version vom 12. Dezember 2014, 21:54**

## Uhr (Quelltext anzeigen)

Oe6jwd (Diskussion | Beiträge)

K (→MOTOROLA-Umsetzer: Soonnblick 2-8)

[← Zum vorherigen Versionsunterschied](#)

**Version vom 16. Dezember 2014, 14:37**

## Uhr (Quelltext anzeigen)

Oe6jwd (Diskussion | Beiträge)

(→**MOTOROLA-Umsetzer**: TG11/12/14 entfernt,  
Bundesländer umsortiert, OE2 & OE7  
gruppiert TG2-9)

Zum nächsten Versionsunterschied →

**Zeile 88:**

=== MOTOROLA-Umsetzer ===

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Vernetzungs-Matrix Welche Umsetzer sind auf welcher Sprechgruppe (TG) und auf welchem Zeitschlitz (TS) miteinander verbunden

**Zeile 88:**

=== MOTOROLA-Umsetzer ===

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Vernetzungs-Matrix Welche Umsetzer sind auf welcher Sprechgruppe (TG) und auf welchem Zeitschlitz (TS) miteinander verbunden

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**Letzte Änderung: 16. Dez. 2014**

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**Zeile 96:**

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**Zeile 116:**

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**Zeile 162:**

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**Zeile 116:**

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**Zeile 156:**

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**Version vom 16. Dezember 2014, 14:37 Uhr**


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## Allgemeine Info

Für DMR-Funkgespräche stehen pro Umsetzer zwei Zeitschlitz (TS = TimeSlot) zur Verfügung. Durch diese zwei Zeitschlitz ist es möglich 2 Funkgespräche unabhängig von einander am gleichen Umsetzer zuzuführen. Innerhalb der Zeitschlitz kann mit Hilfe von Sprechgruppen (TG = TalkGroups) die "Reichweite" des Funkgesprächs gesteuert werden. Für Funkgespräche innerhalb Österreichs sind drei TalkGroups definiert worden:

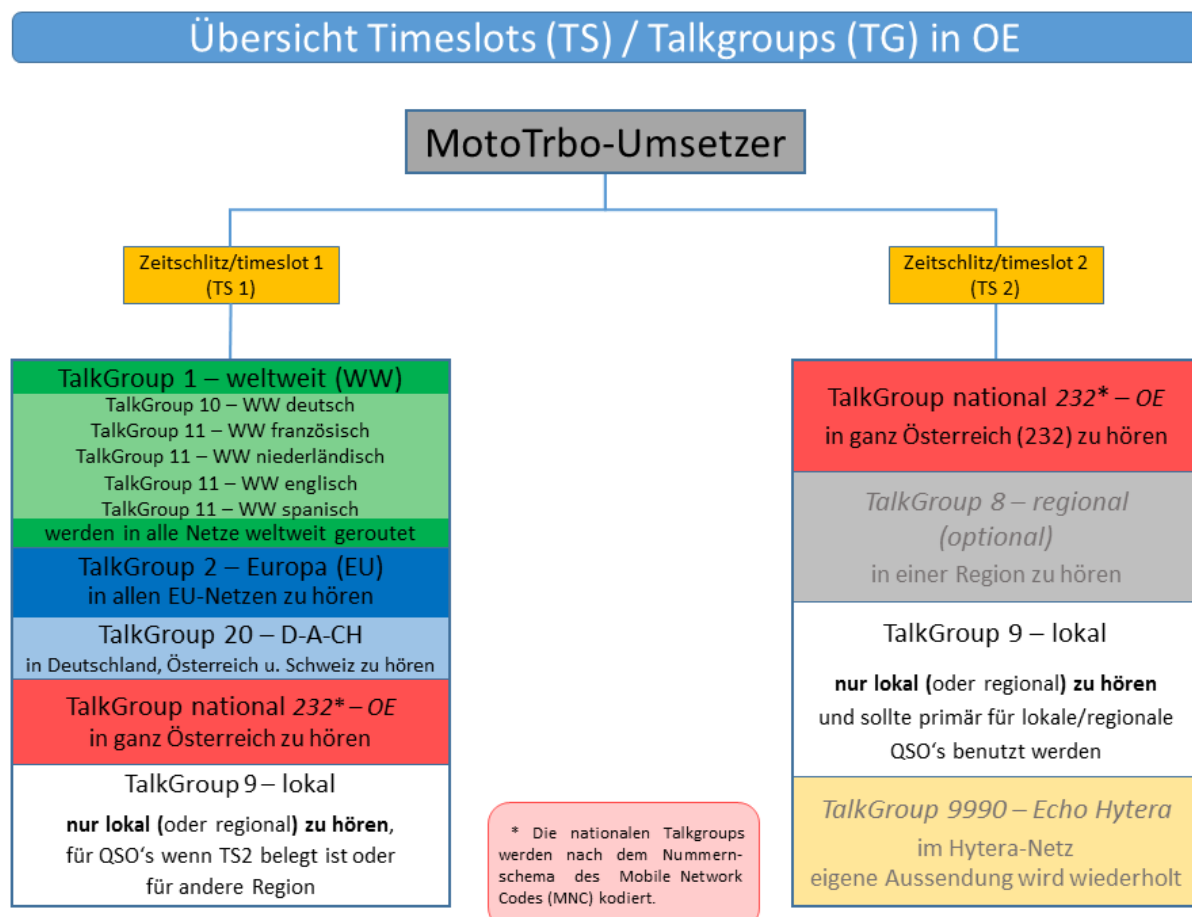
- TG 232 = für österreichweite Funkgespräche
- TG 8 = für regionale Funkgespräche
- TG 9 = für lokale bzw. regionale Funkgespräche

Für österreichweite und lokale Verbindungen sollte primär der Zeitschlitz 2 (TS 2) verwendet werden, da der Zeitschlitz 1 auch für internationale Verbindungen vorgesehen ist.

Weitere Details zu TS bzw. TG sind bei *Mototrbo-international* zu finden

## Sprechgruppen / Talkgroups in Österreich

Stand: 28. August 2014



## Sprechgruppen (TGs) in Österreich

Diese Sprechgruppen-Liste gilt in Österreich auf den Relais laut Umsetzerliste (siehe **Frequenzen-OE** mit Standortkarte) und sollte somit in allen österreichischen Geräte-Codeplugs (siehe **Mototrbo-Programmierung**) abgebildet sein. Wobei die genaue Verbreitung der TG1x in OE aus der weiter unten stehenden Matrix [\[1\]](#) entnommen werden kann.

| Sprechgruppe<br>Talkgroup | Sprechgruppen-<br>bezeichnung | Verbreitungsgebiet                   | Zeitschlitz<br>Timeslot | Bemerkungen                                                                    |
|---------------------------|-------------------------------|--------------------------------------|-------------------------|--------------------------------------------------------------------------------|
| TG 1                      | 1 WELTWEIT WW                 | in alle weltweiten Netze             | TS 1                    | für weltweite <b>Anrufe</b> und <b>KURZE</b> QSOs                              |
| TG 10                     | 10 WW DEU                     | in alle weltweiten Netze             | TS 1                    | für weltweite QSOs in deutsch                                                  |
| TG 11                     | 11 WW FRA                     | in alle weltweiten Netze             | TS 1                    | für weltweite QSOs in französisch (nicht auf allen OE-Umsetzern verfügbar!)    |
| TG 12                     | 12 WW NLD                     | in alle weltweiten Netze             | TS 1                    | für weltweite QSOs in niederländisch (nicht auf allen OE-Umsetzern verfügbar!) |
| TG 13                     | 13 WW ENG                     | in alle weltweiten Netze             | TS 1                    | für weltweite QSOs in englisch (nicht auf allen OE-Umsetzern verfügbar!)       |
| TG 14                     | 14 WW SPA                     | in alle weltweiten Netze             | TS 1                    | für weltweite QSOs in spanisch (nicht auf allen OE-Umsetzern verfügbar!)       |
| TG 2                      | 2 EUROPA                      | in alle europäischen Netze           | TS 1                    | für europaweite Anrufe und QSOs                                                |
| TG 20                     | 20 D-A-CH                     | Deutschland, Österreich & Schweiz    | TS 1                    | für deutschsprachige Anrufe und QSOs                                           |
| TG 232                    | 232 ÖSTERREICH                | alle österreichischen Regionalnetze  | TS 1                    | für Anrufe und kurze nationale Gespräche in OE                                 |
| TG 9                      | 9 LOKAL                       | keine Weiterleitung, regionales Netz | TS 1                    | Lokalbetrieb, wenn TS2 besetzt ist, gilt für alle Regionalnetze                |
| TG 232                    | 232 ÖSTERREICH                | alle österreichischen Regionalnetze  | TS 2                    | für längere, österreichweite Gespräche                                         |
|                           |                               | regionales Netz (OE1)                |                         |                                                                                |

| Sprechgruppe<br>Talkgroup | Sprechgruppen-<br>bezeichnung | Verbreitungsgebiet                      | Zeitschlitz<br>Timeslot | Bemerkungen                                                    |
|---------------------------|-------------------------------|-----------------------------------------|-------------------------|----------------------------------------------------------------|
| TG 8                      | 8 REGIONAL                    | & OE3)                                  | TS 2                    | für regionale QSOs                                             |
| TG 9                      | 9 LOKAL                       | keine Weiterleitung,<br>regionales Netz | TS 2                    | für längere, lokale<br>QSOs, gilt für alle<br>Regionalnetze    |
| TG 9990                   | 9990 ECHO                     | keine Weiterleitung                     | TS 2                    | Hytera Netz - eigene<br>Ausendung wird<br>wiederholt (Papagei) |

### Österreichweite DMR-Abdeckung

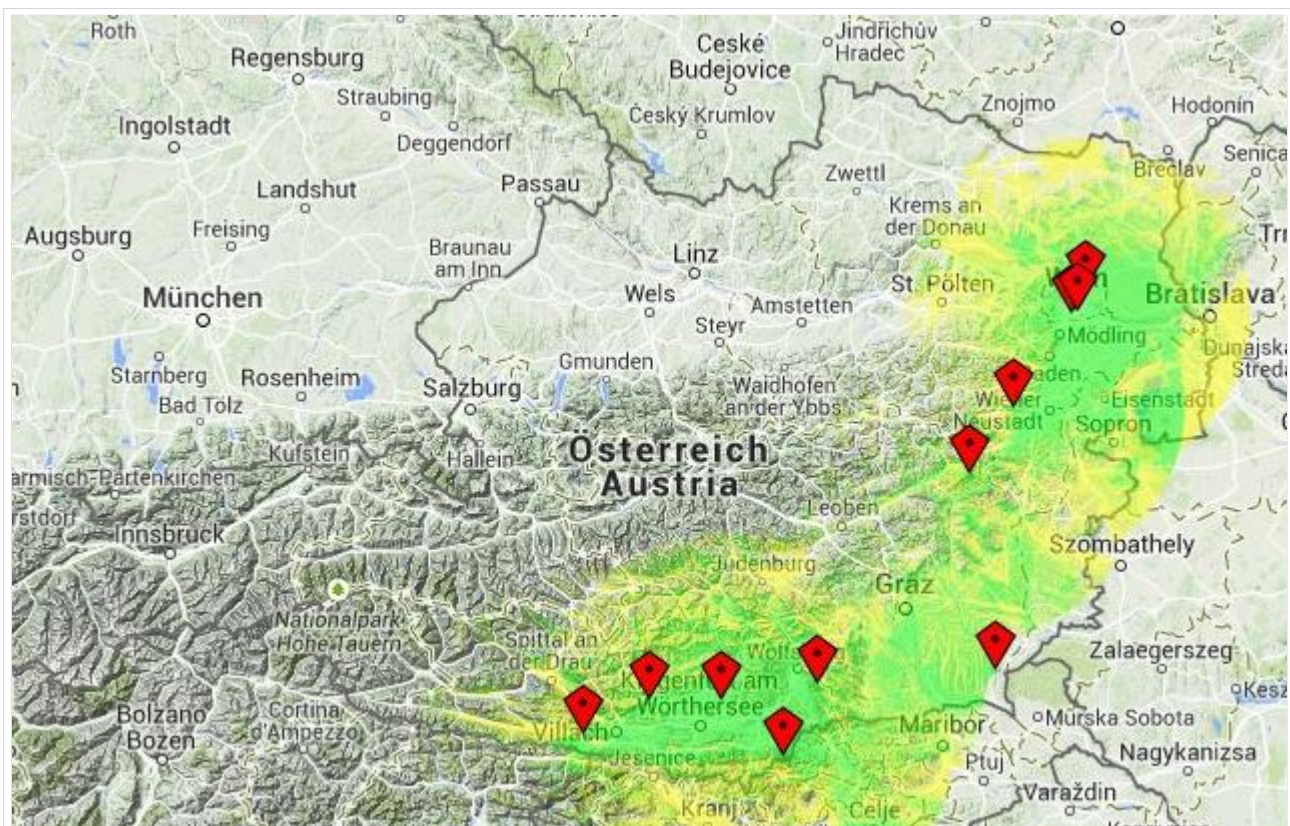
Detailliertere Informationen/Darstellungen zu den Abdeckungen der einzelnen Umsetzer und der DMR-Regionen (TG 8 & 9) in Österreich sind bei [Mototrbo-Umsetzer-Footprints](#) zu finden

### Motorola



Darstellung der Motorola DMR Abdeckung in Österreich auf TG232

## Hytera



Darstellung der Hytera DMR Abdeckung in Österreich auf TG232

## DMR Talkgroup-Vernetzungs-Matrix in Österreich

Über die Sprechgruppen wird die "Reichweite" der Aussendung in einem Netz (Motorola oder Hytera) 'gesteuert'. Die Aussendungen auf den überregionalen Sprechgruppen (TG1, TG2, TG20, TG232) werden auf alle Umsetzer des Netzes geroutet. Mit den Sprechgruppen (TG8 & TG9) können/werden die Umsetzer in unterschiedliche Regionen zusammengefasst, wodurch das Funkgespräch auf diesen Sprechgruppen und Zeitschlitz (TS) nur in dieser "Region" bleibt. Diese zusammenhängenden Umsetzer sind an Hand der "x" in den jeweiligen Spalten zu erkennen.

### MOTOROLA-Umsetzer

Vernetzungs-Matrix - Welche Umsetzer sind auf welcher Sprechgruppe (TG) und auf welchem Zeitschlitz (TS) miteinander verbunden

Letzte Änderung: 16. Dez. 2014

| Repeater          | WW | EUR | WW DEU | WW ENG | D-A-CH | AUT | OE1 | OE3 | OE8 | OE1 | OE3 | OE6 |
|-------------------|----|-----|--------|--------|--------|-----|-----|-----|-----|-----|-----|-----|
| Zeitschlitz (TS)  | 1  | 1   | 1      | 1      | 1      | 1   | 1   | 1   | 1   | 2   | 2   | 2   |
| Sprechgruppe (TG) | 1  | 2   | 10     | 13     | 20     | 232 | 9   | 9   | 9   | 9   | 9   | 9   |

|                                    |   |   |   |   |   |   |   |  |   |   |   |   |
|------------------------------------|---|---|---|---|---|---|---|--|---|---|---|---|
| Bisamberg<br>OE1XAR                | X | X | X | X | X | X |   |  |   | X |   |   |
| Wienerberg<br>OE1XQU               | X | X | X | X | X | X |   |  |   | X |   |   |
| Exelberg<br>OE1XQA                 | X | X | X | X | X | X |   |  |   | X |   |   |
| Bad Vöslau<br>/Harzberg<br>OE3XDB  | X | X | X | X | X | X |   |  |   | X |   |   |
| Brentenriegl<br>OE4XUB             | X | X | X | X | X | X |   |  |   | X |   |   |
| Kirchberg<br>/Pielachtal<br>OE3XKC | X | X | X | X | X | X |   |  |   |   | X |   |
| Lichtenberg<br>OE5XLL              | X | X | X | X | X | X |   |  |   |   | X |   |
| Jauerling<br>OE3XHB                | X | X | X | X | X | X | X |  |   |   | X |   |
| Sonntagberg<br>OE3XRB              | X | X | X | X | X | X | X |  |   |   | X |   |
| Schöckl<br>OE6XAG                  | X | X | X | X | X | X |   |  |   |   |   | X |
| Rennfeld<br>OE6XBG                 | X | X | X | X | X | X |   |  |   |   |   | X |
| Schönbergkopf<br>OE6XAR            | X | X | X | X | X | X |   |  |   |   |   | X |
| Bruckerberg<br>OE7XZH              | X | X | X | X | X | X |   |  |   |   |   |   |
| Rangger Köpfl<br>OE7XBI            | X | X | X | X | X | X |   |  |   |   |   |   |
| Penken<br>OE7XTT                   | X | X | X | X | X | X |   |  |   |   |   |   |
| Sonnblick<br>OE2XSV                | X | X | X | X | X | X |   |  |   |   |   |   |
| Pyramidenkogel<br>OE8XKK           | X | X | X | X | X | X |   |  | X |   |   |   |
| Magdalensberg<br>OE8XMK            | X | X | X | X | X | X |   |  | X |   |   |   |
| Petzen<br>OE8XPK                   | X | X | X | X | X | X |   |  | X |   |   |   |
| Bregenz                            |   |   |   |   |   |   |   |  |   |   |   |   |

|        |   |   |   |   |   |   |  |  |  |  |  |  |
|--------|---|---|---|---|---|---|--|--|--|--|--|--|
| OE9LTV | X | X | X | X | X | X |  |  |  |  |  |  |
|--------|---|---|---|---|---|---|--|--|--|--|--|--|

## HYTERA-Umsetzer

Vernetzungs-Matrix - Welche Umsetzer sind auf welcher Sprechgruppe (TG) und auf welchem Zeitschlitz (TS) miteinander verbunden

| Repeater                                 | WW | EUR | D-A-CH | AUT | DEU | OE8 KTN | OE local | OE Ref. 4190 | OE       |
|------------------------------------------|----|-----|--------|-----|-----|---------|----------|--------------|----------|
| Zeitschlitz (TS)                         | 1  | 1   | 1      | 1   | 1   | 1       | 1        | 2            | 2        |
| Sprechgruppe (TG)                        | 1  | 2   | 20     | 232 | 262 | 8       | 9        | 9            | Ref. Nr. |
| HYT Wien 22<br>OE1XIK                    | X  | X   | X      | X   | X   |         |          | X            | x        |
| HYT Wienerberg<br>OE1XQU                 | X  | X   | X      | X   | X   |         |          | X            | x        |
| HYT Laaerberg <sup>1</sup><br>OE1XQU     | X  | X   | X      | X   | X   |         |          | X            | x        |
| HYT Hohe Wand<br>OE3XTR                  | X  | X   | X      | X   | X   |         |          | X            | x        |
| HYT Stradner Kogel<br>OE6XBF             | X  | X   | X      | X   | X   |         |          | X            | x        |
| HYT Stuhleck Test <sup>2</sup><br>OE6XCD | X  | X   | X      | X   | X   |         |          | X            | x        |
| HYT Dobratsch<br>OE8XFK                  | X  | X   | X      | X   |     | X       |          | X            | x        |
| HYT Saurachberg<br>OE8XIK                | X  | X   | X      | X   |     | X       |          | X            | x        |
| HYT Koralm<br>OE8XLK                     | X  | X   | X      | X   |     | X       |          | X            | x        |
| HYT Petzen <sup>1</sup><br>OE8XPK        | X  | X   | X      | X   |     | X       |          | X            | x        |

<sup>1</sup> = 2m-Umsetzer <sup>2</sup> = Umsetzer noch nicht am Standort

Sprachencodes nach [ISO 639-3](#)

[Versionsgeschichte interaktiv durchsuchen](#)  
[VisuellWikitext](#)

[← Zum vorherigen Versionsunterschied](#)

Zum nächsten Versionsunterschied →

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+

```
| width="40" align="center" | WW<br
/>ENG
```

```
| width="40" align="center" | D-A-CH
```

```
| width="40" align="center" | AUT
```

**Zeile 116:**

```
| - style="background-color:#517CFF;font-size:11pt;font-weight:bold;color:#FFFFFF"
```

```
| width="160" align="right" | Zeitschlitz  
(TS)
```

```
- | width="40" align="center" | 1
```

```
- | width="40" align="center" | 1
```

```
- | width="40" align="center" | 1
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```
| width="40" align="center" | 1
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```
| width="40" align="center" | 1
```

**Zeile 142:**

```
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```

```
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```
- | width="40" align="center" | 11
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```
- | width="40" align="center" | 12
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```
| width="40" align="center" | 13
```

```
- | width="40" align="center" | 14
```

```
| width="40" align="center" | 20
```

```
| width="40" align="center" | 232
```

**Zeile 162:**

```
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```

```
| style="font-size:11pt" height="15" valign="bottom" | Bisamberg<br />  
OE1XAR
```

```
- | style="font-size:14pt" align="center"  
| x
```

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- | style="font-size:14pt" align="center"  
| x
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- | style="font-size:14pt" align="center"  
| x
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```
| style="font-size:14pt" align="center" | x
```

```
| width="40" align="center" | D-A-CH
```

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| width="40" align="center" | AUT
```

**Zeile 116:**

```
| - style="background-color:#517CFF;font-size:11pt;font-weight:bold;color:#FFFFFF"
```

```
| width="160" align="right" | Zeitschlitz  
(TS)
```

```
| width="40" align="center" | 1
```

```
| width="40" align="center" | 1
```

**Zeile 139:**

```
| width="40" align="center" | 2
```

```
| width="40" align="center" | 10
```

```
| width="40" align="center" | 13
```

```
| width="40" align="center" | 20
```

```
| width="40" align="center" | 232
```

**Zeile 156:**

```
| - style="background-color:#E2EFDA"
```

```
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OE1XAR
```

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Zeile 188:

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Zeile 211:

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Zeile 234:

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Zeile 179:

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Zeile 199:

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Zeile 219:

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Zeile 280:

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Zeile 303:

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Zeile 239:

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Zeile 259:

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Zeile 279:

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**Zeile 326:**

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**Zeile 349:**

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**Zeile 367:**

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**Zeile 299:**

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**Zeile 319:**

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**Zeile 334:**

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|   |                                                                                                                    |   |                                                                                                              |
|---|--------------------------------------------------------------------------------------------------------------------|---|--------------------------------------------------------------------------------------------------------------|
| - | <code>  - style="background-color:#DDEBF7"</code>                                                                  | + | <code>  - style="background-color:#FCE4D6"</code>                                                            |
| - | <code> style="font-size:11pt" height="15" valign="bottom"   <b>Pyramidenkogel</b>&lt;br /&gt; <b>OE8XKK</b></code> | + | <code> style="font-size:11pt" height="15" valign="bottom"   <b>Schöckl</b>&lt;br /&gt; <b>OE6 XAG</b></code> |
|   | <code> style="font-size:14pt" align="center"   x</code>                                                            |   | <code> style="font-size:14pt" align="center"   x</code>                                                      |
|   | <code> style="font-size:14pt" align="center"   x</code>                                                            |   | <code> style="font-size:14pt" align="center"   x</code>                                                      |
|   | <code> style="font-size:14pt" align="center"   x</code>                                                            |   | <code> style="font-size:14pt" align="center"   x</code>                                                      |
| - | <code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>                                     |   |                                                                                                              |
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|   | <code> style="font-size:14pt" align="center"   x</code>                                                            |   | <code> style="font-size:14pt" align="center"   x</code>                                                      |
|   | <code> style="font-size:14pt" align="center"   x</code>                                                            |   | <code> style="font-size:14pt" align="center"   x</code>                                                      |
|   | <code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>                                     |   | <code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>                               |
|   | <code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>                                     |   | <code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>                               |
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|   | <code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>                                     |   | <code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>                               |
|   | <code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>                                     |   | <code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>                               |
|   |                                                                                                                    | + | <code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>                               |
|   |                                                                                                                    | + | <code> style="font-size:14pt" align="center"   x</code>                                                      |
|   | <code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>                                     |   | <code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>                               |
|   | <code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>                                     |   | <code> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</code>                               |

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| <div>– <b>  - style="background-color:#DDEBF7"</b></div> <div>– <b> style="font-size:11pt" height="15" valign="bottom"   Magdalensberg&lt;br /&gt; OE8XMK</b></div> <div> style="font-size:14pt" align="center"   x</div> <div> style="font-size:14pt" align="center"   x</div> <div> style="font-size:14pt" align="center"   x</div> | <div><b>+</b> <b>  - style="background-color:#FCE4D6"</b></div> <div><b> style="font-size:11pt" height="15" valign="bottom"   Rennfeld&lt;br /&gt; OE6XBG</b></div> <div> style="font-size:14pt" align="center"   x</div> <div> style="font-size:14pt" align="center"   x</div> <div> style="font-size:14pt" align="center"   x</div> |
| <div>– <b> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</b></div>                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                       |
| <div>– <b> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</b></div>                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                       |
| <div> style="font-size:14pt" align="center"   x</div>                                                                                                                                                                                                                                                                                 | <div> style="font-size:14pt" align="center"   x</div>                                                                                                                                                                                                                                                                                 |
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| <div> style="font-size:14pt" align="center"   x</div>                                                                                                                                                                                                                                                                                 | <div> style="font-size:14pt" align="center"   x</div>                                                                                                                                                                                                                                                                                 |
| <div> style="font-size:14pt" align="center"   x</div>                                                                                                                                                                                                                                                                                 | <div> style="font-size:14pt" align="center"   x</div>                                                                                                                                                                                                                                                                                 |
| <div> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</div>                                                                                                                                                                                                                                                          | <div> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</div>                                                                                                                                                                                                                                                          |
| <div> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</div>                                                                                                                                                                                                                                                          | <div> style="font-size:14pt" align="right" align="center"   &amp;nbsp;</div>                                                                                                                                                                                                                                                          |
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| -  style="font-size:11pt" height="15" valign="bottom"   <b>Petzen</b> <br /> <b>OE8 XPK</b> | + | style="font-size:11pt" height="15" valign="bottom"   <b>Schönbergkopf</b> <br /> <b>OE6XAR</b> |
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| -  style="font-size:11pt" height="15" valign="bottom"   <b>Sonnblick</b> <br /> <b>O E2XSV</b> | +  style="font-size:11pt" height="15" valign="bottom"   <b>Bruckerberg</b> <br /> <b>OE7XZH</b> |
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Zeile 478:

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Zeile 431:

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Zeile 501:

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Zeile 451:

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Zeile 522:

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Zeile 469:

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Zeile 528:

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Zeile 474:

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15" valign="bottom" | Pyramidenkogel<br
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KöpfI<br /> OE7XBI
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Zeile 492:

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r /> OE8XMK
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**Version vom 16. Dezember 2014, 14:37 Uhr**


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## Allgemeine Info

Für DMR-Funkgespräche stehen pro Umsetzer zwei Zeitschlitz (TS = TimeSlot) zur Verfügung. Durch diese zwei Zeitschlitz ist es möglich 2 Funkgespräche unabhängig von einander am gleichen Umsetzer zzuführen. Innerhalb der Zeitschlitz kann mit Hilfe von Sprechgruppen (TG = TalkGroups) die "Reichweite" des Funkgesprächs gesteuert werden. Für Funkgespräche innerhalb Österreichs sind drei TalkGroups definiert worden:

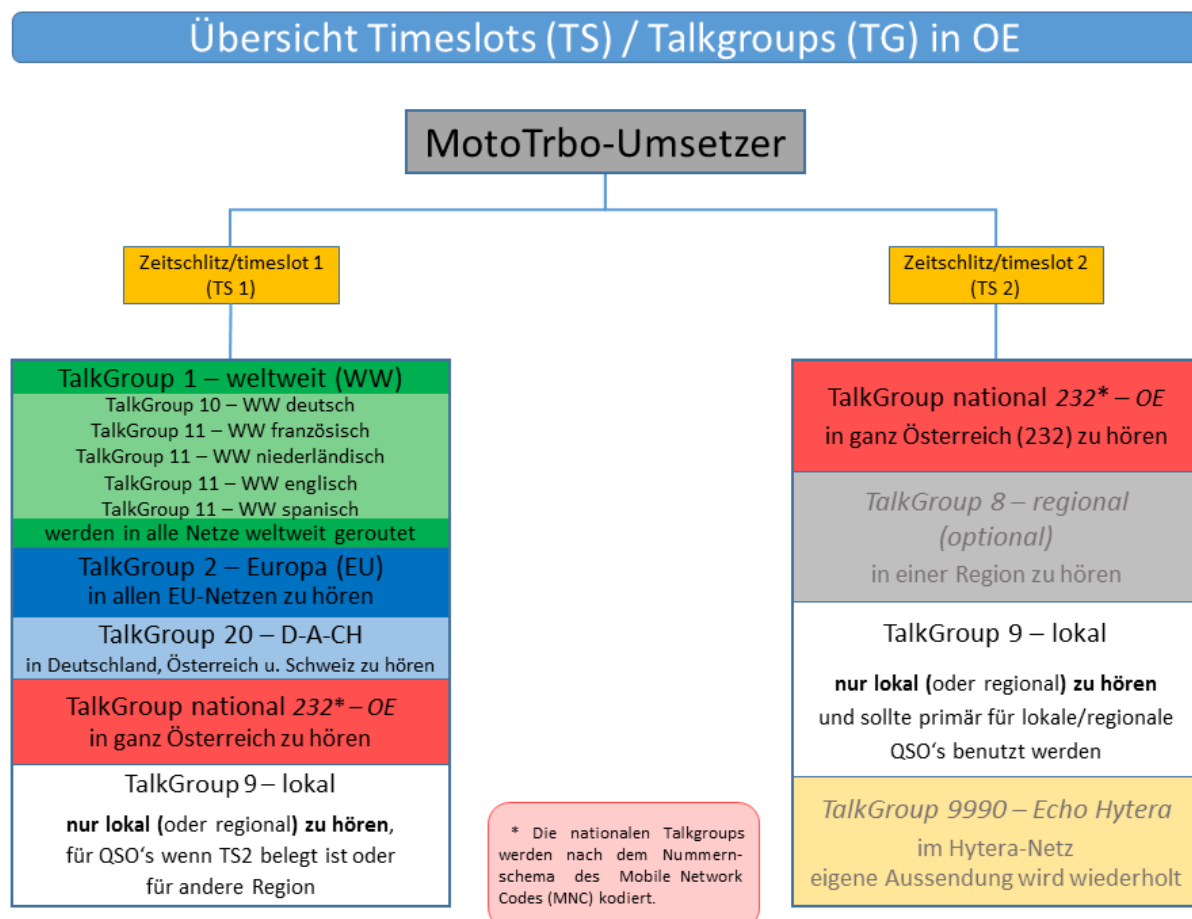
- TG 232 = für österreichweite Funkgespräche
- TG 8 = für regionale Funkgespräche
- TG 9 = für lokale bzw. regionale Funkgespräche

Für österreichweite und lokale Verbindungen sollte primär der Zeitschlitz 2 (TS 2) verwendet werden, da der Zeitschlitz 1 auch für internationale Verbindungen vorgesehen ist.

Weitere Details zu TS bzw. TG sind bei *Mototrbo-international* zu finden

## Sprechgruppen / Talkgroups in Österreich

Stand: 28. August 2014



## Sprechgruppen (TGs) in Österreich

Diese Sprechgruppen-Liste gilt in Österreich auf den Relais laut Umsetzerliste (siehe **Frequenzen-OE** mit Standortkarte) und sollte somit in allen österreichischen Geräte-Codeplugs (siehe **Mototrbo-Programmierung**) abgebildet sein. Wobei die genaue Verbreitung der TG1x in OE aus der weiter unten stehenden Matrix [\[1\]](#) entnommen werden kann.

| Sprechgruppe<br>Talkgroup | Sprechgruppen-<br>bezeichnung | Verbreitungsgebiet                   | Zeitschlitz<br>Timeslot | Bemerkungen                                                                    |
|---------------------------|-------------------------------|--------------------------------------|-------------------------|--------------------------------------------------------------------------------|
| TG 1                      | 1 WELTWEIT WW                 | in alle weltweiten Netze             | TS 1                    | für weltweite <b>Anrufe</b> und <b>KURZE</b> QSOs                              |
| TG 10                     | 10 WW DEU                     | in alle weltweiten Netze             | TS 1                    | für weltweite QSOs in deutsch                                                  |
| TG 11                     | 11 WW FRA                     | in alle weltweiten Netze             | TS 1                    | für weltweite QSOs in französisch (nicht auf allen OE-Umsetzern verfügbar!)    |
| TG 12                     | 12 WW NLD                     | in alle weltweiten Netze             | TS 1                    | für weltweite QSOs in niederländisch (nicht auf allen OE-Umsetzern verfügbar!) |
| TG 13                     | 13 WW ENG                     | in alle weltweiten Netze             | TS 1                    | für weltweite QSOs in englisch (nicht auf allen OE-Umsetzern verfügbar!)       |
| TG 14                     | 14 WW SPA                     | in alle weltweiten Netze             | TS 1                    | für weltweite QSOs in spanisch (nicht auf allen OE-Umsetzern verfügbar!)       |
| TG 2                      | 2 EUROPA                      | in alle europäischen Netze           | TS 1                    | für europaweite Anrufe und QSOs                                                |
| TG 20                     | 20 D-A-CH                     | Deutschland, Österreich & Schweiz    | TS 1                    | für deutschsprachige Anrufe und QSOs                                           |
| TG 232                    | 232 ÖSTERREICH                | alle österreichischen Regionalnetze  | TS 1                    | für Anrufe und kurze nationale Gespräche in OE                                 |
| TG 9                      | 9 LOKAL                       | keine Weiterleitung, regionales Netz | TS 1                    | Lokalbetrieb, wenn TS2 besetzt ist, gilt für alle Regionalnetze                |
| TG 232                    | 232 ÖSTERREICH                | alle österreichischen Regionalnetze  | TS 2                    | für längere, österreichweite Gespräche                                         |
|                           |                               | regionales Netz (OE1)                |                         |                                                                                |

| Sprechgruppe<br>Talkgroup | Sprechgruppen-<br>bezeichnung | Verbreitungsgebiet                      | Zeitschlitz<br>Timeslot | Bemerkungen                                                    |
|---------------------------|-------------------------------|-----------------------------------------|-------------------------|----------------------------------------------------------------|
| TG 8                      | 8 REGIONAL                    | & OE3)                                  | TS 2                    | für regionale QSOs                                             |
| TG 9                      | 9 LOKAL                       | keine Weiterleitung,<br>regionales Netz | TS 2                    | für längere, lokale<br>QSOs, gilt für alle<br>Regionalnetze    |
| TG 9990                   | 9990 ECHO                     | keine Weiterleitung                     | TS 2                    | Hytera Netz - eigene<br>Ausendung wird<br>wiederholt (Papagei) |

Österreichweite DMR-Abdeckung

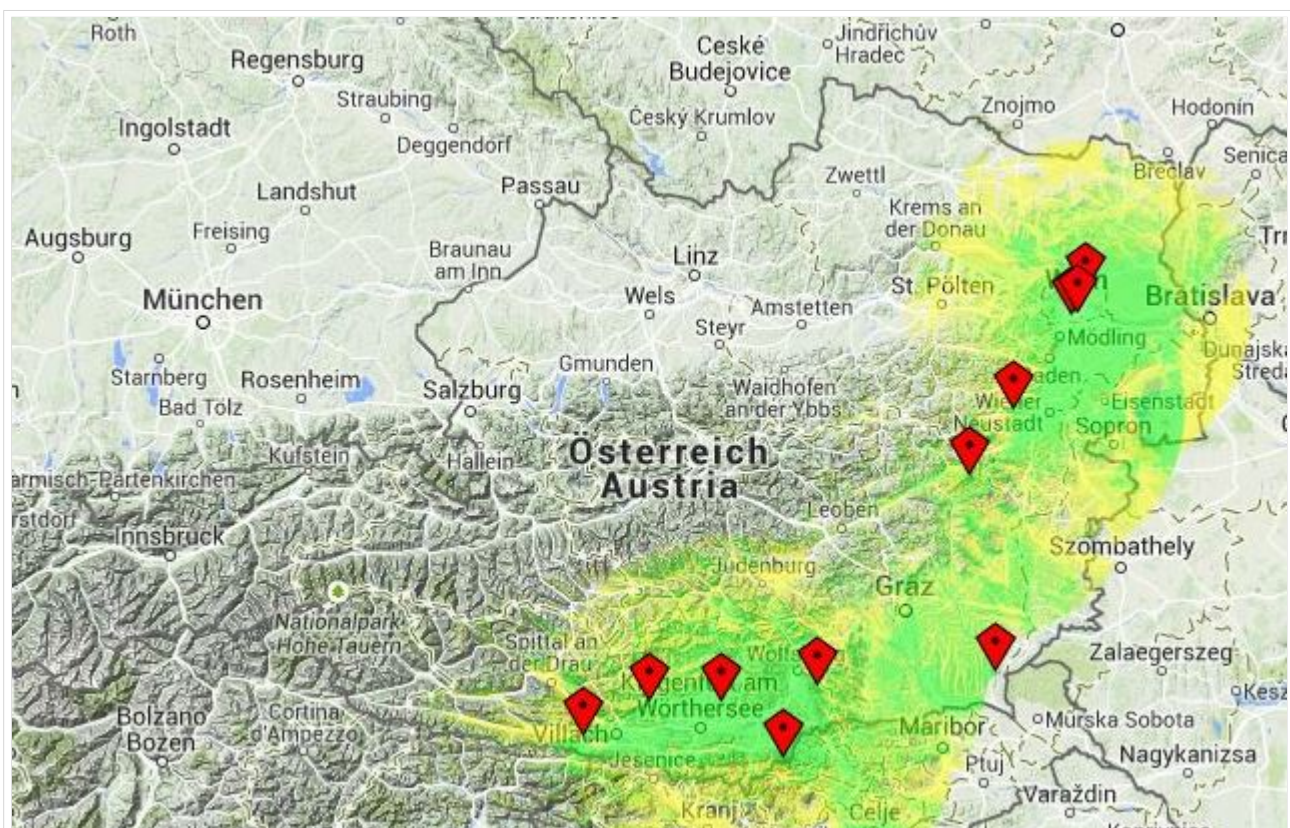
Detailliertere Informationen/Darstellungen zu den Abdeckungen der einzelnen Umsetzer und der DMR-Regionen (TG 8 & 9) in Österreich sind bei [Mototrbo-Umsetzer-Footprints](#) zu finden

Motorola



Darstellung der Motorola DMR Abdeckung in Österreich auf TG232

## Hytera



Darstellung der Hytera DMR Abdeckung in Österreich auf TG232

## DMR Talkgroup-Vernetzungs-Matrix in Österreich

Über die Sprechgruppen wird die "Reichweite" der Aussendung in einem Netz (Motorola oder Hytera) 'gesteuert'. Die Aussendungen auf den überregionalen Sprechgruppen (TG1, TG2, TG20, TG232) werden auf alle Umsetzer des Netzes geroutet. Mit den Sprechgruppen (TG8 & TG9) können/werden die Umsetzer in unterschiedliche Regionen zusammengefasst, wodurch das Funkgespräch auf diesen Sprechgruppen und Zeitschlitz (TS) nur in dieser "Region" bleibt. Diese zusammenhängenden Umsetzer sind an Hand der "x" in den jeweiligen Spalten zu erkennen.

### MOTOROLA-Umsetzer

Vernetzungs-Matrix - Welche Umsetzer sind auf welcher Sprechgruppe (TG) und auf welchem Zeitschlitz (TS) miteinander verbunden

Letzte Änderung: 16. Dez. 2014

| Repeater                     | WW | EUR | WW<br>DEU | WW<br>ENG | D-<br>A-<br>CH | AUT | OE1 | OE3 | OE8 | OE1 | OE3 | OE6 |
|------------------------------|----|-----|-----------|-----------|----------------|-----|-----|-----|-----|-----|-----|-----|
| <b>Zeitschlitz<br/>(TS)</b>  | 1  | 1   | 1         | 1         | 1              | 1   | 1   | 1   | 1   | 2   | 2   | 2   |
| <b>Sprechgruppe<br/>(TG)</b> | 1  | 2   | 10        | 13        | 20             | 232 | 9   | 9   | 9   | 9   | 9   | 9   |

|                                    |   |   |   |   |   |   |   |  |   |   |   |   |
|------------------------------------|---|---|---|---|---|---|---|--|---|---|---|---|
| Bisamberg<br>OE1XAR                | X | X | X | X | X | X |   |  |   | X |   |   |
| Wienerberg<br>OE1XQU               | X | X | X | X | X | X |   |  |   | X |   |   |
| Exelberg<br>OE1XQA                 | X | X | X | X | X | X |   |  |   | X |   |   |
| Bad Vöslau<br>/Harzberg<br>OE3XDB  | X | X | X | X | X | X |   |  |   | X |   |   |
| Brentenriegl<br>OE4XUB             | X | X | X | X | X | X |   |  |   | X |   |   |
| Kirchberg<br>/Pielachtal<br>OE3XKC | X | X | X | X | X | X |   |  |   |   | X |   |
| Lichtenberg<br>OE5XLL              | X | X | X | X | X | X |   |  |   |   | X |   |
| Jauerling<br>OE3XHB                | X | X | X | X | X | X | X |  |   |   | X |   |
| Sonntagberg<br>OE3XRB              | X | X | X | X | X | X | X |  |   |   | X |   |
| Schöckl<br>OE6XAG                  | X | X | X | X | X | X |   |  |   |   |   | X |
| Rennfeld<br>OE6XBG                 | X | X | X | X | X | X |   |  |   |   |   | X |
| Schönbergkopf<br>OE6XAR            | X | X | X | X | X | X |   |  |   |   |   | X |
| Bruckerberg<br>OE7XZH              | X | X | X | X | X | X |   |  |   |   |   |   |
| Rangger Köpfl<br>OE7XBI            | X | X | X | X | X | X |   |  |   |   |   |   |
| Penken<br>OE7XTT                   | X | X | X | X | X | X |   |  |   |   |   |   |
| Sonnblick<br>OE2XSV                | X | X | X | X | X | X |   |  |   |   |   |   |
| Pyramidenkogel<br>OE8XKK           | X | X | X | X | X | X |   |  | X |   |   |   |
| Magdalensberg<br>OE8XMK            | X | X | X | X | X | X |   |  | X |   |   |   |
| Petzen<br>OE8XPK                   | X | X | X | X | X | X |   |  | X |   |   |   |
| Bregenz                            |   |   |   |   |   |   |   |  |   |   |   |   |

|        |   |   |   |   |   |   |  |  |  |  |  |  |
|--------|---|---|---|---|---|---|--|--|--|--|--|--|
| OE9LTV | X | X | X | X | X | X |  |  |  |  |  |  |
|--------|---|---|---|---|---|---|--|--|--|--|--|--|

## HYTERA-Umsetzer

Vernetzungs-Matrix - Welche Umsetzer sind auf welcher Sprechgruppe (TG) und auf welchem Zeitschlitz (TS) miteinander verbunden

| Repeater                                 | WW | EUR | D-A-CH | AUT | DEU | OE8 KTN | OE local | OE Ref. 4190 | OE       |
|------------------------------------------|----|-----|--------|-----|-----|---------|----------|--------------|----------|
| Zeitschlitz (TS)                         | 1  | 1   | 1      | 1   | 1   | 1       | 1        | 2            | 2        |
| Sprechgruppe (TG)                        | 1  | 2   | 20     | 232 | 262 | 8       | 9        | 9            | Ref. Nr. |
| HYT Wien 22<br>OE1XIK                    | X  | X   | X      | X   | X   |         |          | X            | x        |
| HYT Wienerberg<br>OE1XQU                 | X  | X   | X      | X   | X   |         |          | X            | x        |
| HYT Laaerberg <sup>1</sup><br>OE1XQU     | X  | X   | X      | X   | X   |         |          | X            | x        |
| HYT Hohe Wand<br>OE3XTR                  | X  | X   | X      | X   | X   |         |          | X            | x        |
| HYT Stradner Kogel<br>OE6XBF             | X  | X   | X      | X   | X   |         |          | X            | x        |
| HYT Stuhleck Test <sup>2</sup><br>OE6XCD | X  | X   | X      | X   | X   |         |          | X            | x        |
| HYT Dobratsch<br>OE8XFK                  | X  | X   | X      | X   |     | X       |          | X            | x        |
| HYT Saurachberg<br>OE8XIK                | X  | X   | X      | X   |     | X       |          | X            | x        |
| HYT Koralm<br>OE8XLK                     | X  | X   | X      | X   |     | X       |          | X            | x        |
| HYT Petzen <sup>1</sup><br>OE8XPK        | X  | X   | X      | X   |     | X       |          | X            | x        |

<sup>1</sup> = 2m-Umsetzer <sup>2</sup> = Umsetzer noch nicht am Standort

Sprachencodes nach [ISO 639-3](#)



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**Zeile 116:**

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OE1XAR
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**Zeile 116:**

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(TS)
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**Zeile 156:**

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**Zeile 334:**

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| - | <code> style="font-size:11pt" height="15" valign="bottom"   <b>Pyramidenkogel</b>&lt;br /&gt; <b>OE8XKK</b></code> | + | <code> style="font-size:11pt" height="15" valign="bottom"   <b>Schöckl</b>&lt;br /&gt; <b>OE6 XAG</b></code> |
|   | <code> style="font-size:14pt" align="center"   x</code>                                                            |   | <code> style="font-size:14pt" align="center"   x</code>                                                      |
|   | <code> style="font-size:14pt" align="center"   x</code>                                                            |   | <code> style="font-size:14pt" align="center"   x</code>                                                      |
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| <div>– <b>  - style="background-color:#DDEBF7"</b></div> <div>– <b> style="font-size:11pt" height="15" valign="bottom"   Magdalensberg&lt;br /&gt; OE8XMK</b></div> <div> style="font-size:14pt" align="center"   x</div> <div> style="font-size:14pt" align="center"   x</div> <div> style="font-size:14pt" align="center"   x</div>                       | <div><b>+</b> <b>  - style="background-color:#FCE4D6"</b></div> <div><b> style="font-size:11pt" height="15" valign="bottom"   Rennfeld&lt;br /&gt; OE6XBG</b></div> <div> style="font-size:14pt" align="center"   x</div> <div> style="font-size:14pt" align="center"   x</div> <div> style="font-size:14pt" align="center"   x</div> |
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Zeile 451:

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Zeile 469:

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Zeile 528:

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```

```
|style="font-size:11pt" height="
15" valign="bottom" | Rangger&nbsp;
KöpfI<br /> OE7XBI
```

```
|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="center" | x
```

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|style="font-size:14pt" align="right"
align="center" | &nbsp;
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|style="font-size:14pt" align="right"
align="center" | &nbsp;
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|style="font-size:14pt" align="center" | x
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|style="font-size:14pt" align="right"
align="center" | &nbsp;
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|style="font-size:14pt" align="center" | x
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|style="font-size:14pt" align="center" | x
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Zeile 492:

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|style="font-size:14pt" align="right"
align="center" | &nbsp;
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|style="font-size:14pt" align="right"
align="center" | &nbsp;
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|style="font-size:14pt" align="center" | x
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```
|- style="background-color:#DDEBF7"
```

```
|style="font-size:11pt" height="
15" valign="bottom" | Magdalensberg<b
r /> OE8XMK
```

```
|style="font-size:14pt" align="center" | x
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```
|style="font-size:14pt" align="center" | x
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|style="font-size:14pt" align="center" | x
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|style="font-size:14pt" align="center" | x
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|style="font-size:14pt" align="center" | x
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|style="font-size:14pt" align="center" | x
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| x
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+

Zeile 571:

```
|style="font-size:14pt" align="right"
align="center" | &nbsp;
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|style="font-size:14pt" align="right"
align="center" | &nbsp;
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|style="font-size:14pt" align="center"
| x
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|style="font-size:14pt" align="center" | x
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```
| style="background-color:#BDD7EE"
```

```
|style="font-size:11pt" height="
15" valign="bottom" | Penken<br /> OE7
XTT
```

```
|style="font-size:14pt" align="center" | x
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|style="font-size:14pt" align="center" | x
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|style="font-size:14pt" align="center" | x
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|style="font-size:14pt" align="right"
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|style="font-size:14pt" align="right"
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|style="font-size:14pt" align="center" | x
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|style="font-size:14pt" align="right"
align="center" | &nbsp;
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|style="font-size:14pt" align="center" | x
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|style="font-size:14pt" align="center" | x
```

Zeile 512:

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align="center" | &nbsp;
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|style="font-size:14pt" align="right"
align="center" | &nbsp;
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|style="font-size:14pt" align="center" | x
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```
| style="background-color:#DDEBF7"
```

```
|style="font-size:11pt" height="
15" valign="bottom" | Petzen<br /> OE8
XPK
```

```
|style="font-size:14pt" align="center" | x
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|style="font-size:14pt" align="center" | x
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|style="font-size:14pt" align="center" | x
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align="center" | &nbsp;
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+

**Zeile 594:**

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align="center" | &nbsp;
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|style="font-size:14pt" align="right"
align="center" | &nbsp;
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|style="font-size:14pt" align="center"
| x
```

```
|style="font-size:14pt" align="center" | x
```

**Zeile 532:**

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|style="font-size:14pt" align="right"
align="center" | &nbsp;
```

```
|style="font-size:14pt" align="right"
align="center" | &nbsp;
```

```
|style="font-size:14pt" align="center" | x
```

**Zeile 602:**

```
|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="right"
align="center" | &nbsp;
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|style="font-size:14pt" align="right"
align="center" | &nbsp;
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|style="font-size:14pt" align="center" | x
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|style="font-size:14pt" align="right"
align="center" | &nbsp;
```

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|style="font-size:14pt" align="center" | x
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```
|style="font-size:14pt" align="center" | x
```

**Zeile 539:**

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|style="font-size:14pt" align="center" | x
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|style="font-size:14pt" align="center" | x
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|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="center" | x
```

```
|style="font-size:14pt" align="center" | x
```

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**Version vom 16. Dezember 2014, 14:37 Uhr**


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## Allgemeine Info

Für DMR-Funkgespräche stehen pro Umsetzer zwei Zeitschlitz (TS = TimeSlot) zur Verfügung. Durch diese zwei Zeitschlitz ist es möglich 2 Funkgespräche unabhängig von einander am gleichen Umsetzer zzuführen. Innerhalb der Zeitschlitz kann mit Hilfe von Sprechgruppen (TG = TalkGroups) die "Reichweite" des Funkgesprächs gesteuert werden. Für Funkgespräche innerhalb Österreichs sind drei TalkGroups definiert worden:

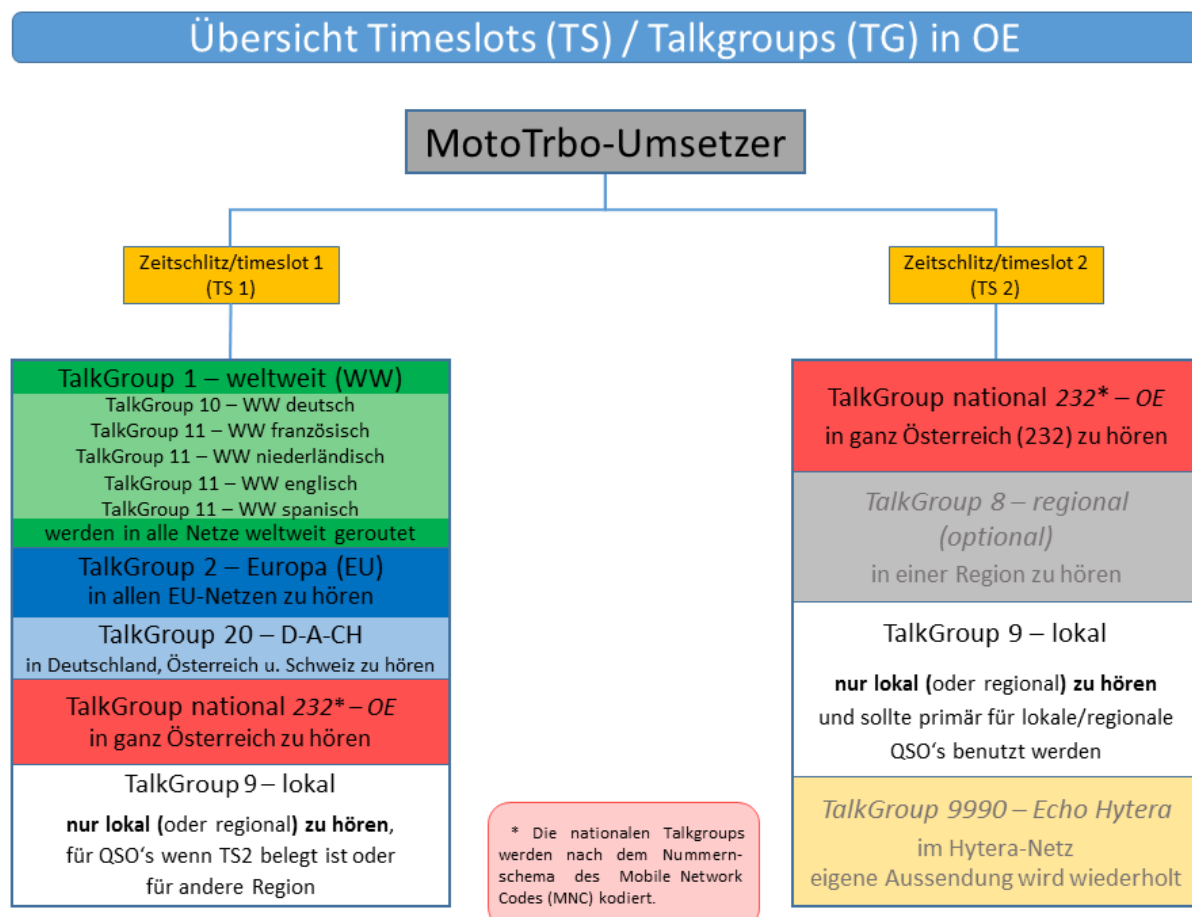
- TG 232 = für österreichweite Funkgespräche
- TG 8 = für regionale Funkgespräche
- TG 9 = für lokale bzw. regionale Funkgespräche

Für österreichweite und lokale Verbindungen sollte primär der Zeitschlitz 2 (TS 2) verwendet werden, da der Zeitschlitz 1 auch für internationale Verbindungen vorgesehen ist.

Weitere Details zu TS bzw. TG sind bei *Mototrbo-international* zu finden

## Sprechgruppen / Talkgroups in Österreich

Stand: 28. August 2014



## Sprechgruppen (TGs) in Österreich

Diese Sprechgruppen-Liste gilt in Österreich auf den Relais laut Umsetzerliste (siehe **Frequenzen-OE** mit Standortkarte) und sollte somit in allen österreichischen Geräte-Codeplugs (siehe **Mototrbo-Programmierung**) abgebildet sein. Wobei die genaue Verbreitung der TG1x in OE aus der weiter unten stehenden Matrix [\[1\]](#) entnommen werden kann.

| Sprechgruppe<br>Talkgroup | Sprechgruppen-<br>bezeichnung | Verbreitungsgebiet                   | Zeitschlitz<br>Timeslot | Bemerkungen                                                                    |
|---------------------------|-------------------------------|--------------------------------------|-------------------------|--------------------------------------------------------------------------------|
| TG 1                      | 1 WELTWEIT WW                 | in alle weltweiten Netze             | TS 1                    | für weltweite <b>Anrufe</b> und <b>KURZE</b> QSOs                              |
| TG 10                     | 10 WW DEU                     | in alle weltweiten Netze             | TS 1                    | für weltweite QSOs in deutsch                                                  |
| TG 11                     | 11 WW FRA                     | in alle weltweiten Netze             | TS 1                    | für weltweite QSOs in französisch (nicht auf allen OE-Umsetzern verfügbar!)    |
| TG 12                     | 12 WW NLD                     | in alle weltweiten Netze             | TS 1                    | für weltweite QSOs in niederländisch (nicht auf allen OE-Umsetzern verfügbar!) |
| TG 13                     | 13 WW ENG                     | in alle weltweiten Netze             | TS 1                    | für weltweite QSOs in englisch (nicht auf allen OE-Umsetzern verfügbar!)       |
| TG 14                     | 14 WW SPA                     | in alle weltweiten Netze             | TS 1                    | für weltweite QSOs in spanisch (nicht auf allen OE-Umsetzern verfügbar!)       |
| TG 2                      | 2 EUROPA                      | in alle europäischen Netze           | TS 1                    | für europaweite Anrufe und QSOs                                                |
| TG 20                     | 20 D-A-CH                     | Deutschland, Österreich & Schweiz    | TS 1                    | für deutschsprachige Anrufe und QSOs                                           |
| TG 232                    | 232 ÖSTERREICH                | alle österreichischen Regionalnetze  | TS 1                    | für Anrufe und kurze nationale Gespräche in OE                                 |
| TG 9                      | 9 LOKAL                       | keine Weiterleitung, regionales Netz | TS 1                    | Lokalbetrieb, wenn TS2 besetzt ist, gilt für alle Regionalnetze                |
| TG 232                    | 232 ÖSTERREICH                | alle österreichischen Regionalnetze  | TS 2                    | für längere, österreichweite Gespräche                                         |
|                           |                               | regionales Netz (OE1)                |                         |                                                                                |

| Sprechgruppe<br>Talkgroup | Sprechgruppen-<br>bezeichnung | Verbreitungsgebiet                      | Zeitschlitz<br>Timeslot | Bemerkungen                                                    |
|---------------------------|-------------------------------|-----------------------------------------|-------------------------|----------------------------------------------------------------|
| TG 8                      | 8 REGIONAL                    | & OE3)                                  | TS 2                    | für regionale QSOs                                             |
| TG 9                      | 9 LOKAL                       | keine Weiterleitung,<br>regionales Netz | TS 2                    | für längere, lokale<br>QSOs, gilt für alle<br>Regionalnetze    |
| TG 9990                   | 9990 ECHO                     | keine Weiterleitung                     | TS 2                    | Hytera Netz - eigene<br>Ausendung wird<br>wiederholt (Papagei) |

Österreichweite DMR-Abdeckung

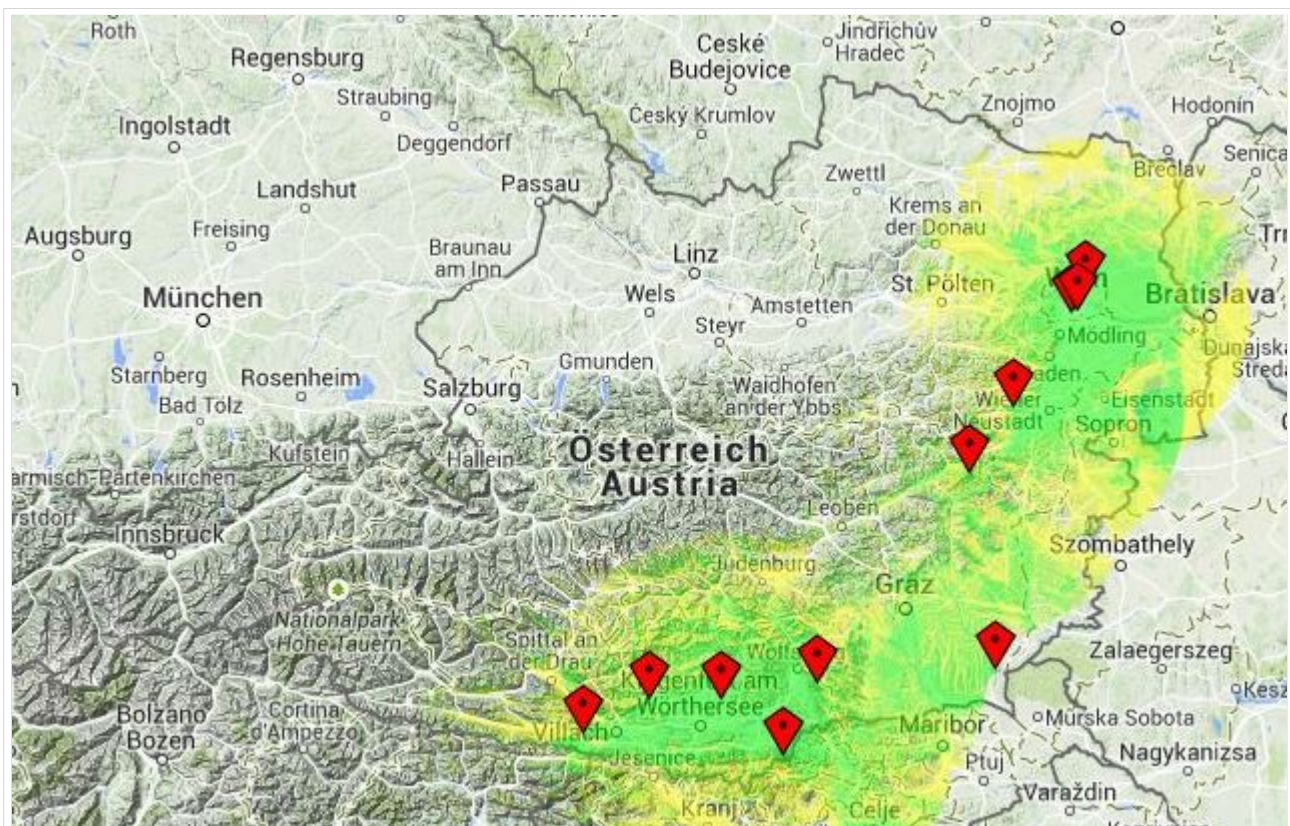
Detailliertere Informationen/Darstellungen zu den Abdeckungen der einzelnen Umsetzer und der DMR-Regionen (TG 8 & 9) in Österreich sind bei [Mototrbo-Umsetzer-Footprints](#) zu finden

Motorola



Darstellung der Motorola DMR Abdeckung in Österreich auf TG232

## Hytera



Darstellung der Hytera DMR Abdeckung in Österreich auf TG232

## DMR Talkgroup-Vernetzungs-Matrix in Österreich

Über die Sprechgruppen wird die "Reichweite" der Aussendung in einem Netz (Motorola oder Hytera) 'gesteuert'. Die Aussendungen auf den überregionalen Sprechgruppen (TG1, TG2, TG20, TG232) werden auf alle Umsetzer des Netzes geroutet. Mit den Sprechgruppen (TG8 & TG9) können/werden die Umsetzer in unterschiedliche Regionen zusammengefasst, wodurch das Funkgespräch auf diesen Sprechgruppen und Zeitschlitz (TS) nur in dieser "Region" bleibt. Diese zusammenhängenden Umsetzer sind an Hand der "x" in den jeweiligen Spalten zu erkennen.

### MOTOROLA-Umsetzer

Vernetzungs-Matrix - Welche Umsetzer sind auf welcher Sprechgruppe (TG) und auf welchem Zeitschlitz (TS) miteinander verbunden

Letzte Änderung: 16. Dez. 2014

| Repeater                     | WW | EUR | WW<br>DEU | WW<br>ENG | D-<br>A-<br>CH | AUT | OE1 | OE3 | OE8 | OE1 | OE3 | OE6 |
|------------------------------|----|-----|-----------|-----------|----------------|-----|-----|-----|-----|-----|-----|-----|
| <b>Zeitschlitz<br/>(TS)</b>  | 1  | 1   | 1         | 1         | 1              | 1   | 1   | 1   | 1   | 2   | 2   | 2   |
| <b>Sprechgruppe<br/>(TG)</b> | 1  | 2   | 10        | 13        | 20             | 232 | 9   | 9   | 9   | 9   | 9   | 9   |

|                                    |   |   |   |   |   |   |   |  |   |   |   |   |
|------------------------------------|---|---|---|---|---|---|---|--|---|---|---|---|
| Bisamberg<br>OE1XAR                | X | X | X | X | X | X |   |  |   | X |   |   |
| Wienerberg<br>OE1XQU               | X | X | X | X | X | X |   |  |   | X |   |   |
| Exelberg<br>OE1XQA                 | X | X | X | X | X | X |   |  |   | X |   |   |
| Bad Vöslau<br>/Harzberg<br>OE3XDB  | X | X | X | X | X | X |   |  |   | X |   |   |
| Brentenriegl<br>OE4XUB             | X | X | X | X | X | X |   |  |   | X |   |   |
| Kirchberg<br>/Pielachtal<br>OE3XKC | X | X | X | X | X | X |   |  |   |   | X |   |
| Lichtenberg<br>OE5XLL              | X | X | X | X | X | X |   |  |   |   | X |   |
| Jauerling<br>OE3XHB                | X | X | X | X | X | X | X |  |   |   | X |   |
| Sonntagberg<br>OE3XRB              | X | X | X | X | X | X | X |  |   |   | X |   |
| Schöckl<br>OE6XAG                  | X | X | X | X | X | X |   |  |   |   |   | X |
| Rennfeld<br>OE6XBG                 | X | X | X | X | X | X |   |  |   |   |   | X |
| Schönbergkopf<br>OE6XAR            | X | X | X | X | X | X |   |  |   |   |   | X |
| Bruckerberg<br>OE7XZH              | X | X | X | X | X | X |   |  |   |   |   |   |
| Rangger Köpfl<br>OE7XBI            | X | X | X | X | X | X |   |  |   |   |   |   |
| Penken<br>OE7XTT                   | X | X | X | X | X | X |   |  |   |   |   |   |
| Sonnblick<br>OE2XSV                | X | X | X | X | X | X |   |  |   |   |   |   |
| Pyramidenkogel<br>OE8XKK           | X | X | X | X | X | X |   |  | X |   |   |   |
| Magdalensberg<br>OE8XMK            | X | X | X | X | X | X |   |  | X |   |   |   |
| Petzen<br>OE8XPK                   | X | X | X | X | X | X |   |  | X |   |   |   |
| Bregenz                            |   |   |   |   |   |   |   |  |   |   |   |   |

|        |   |   |   |   |   |   |  |  |  |  |  |  |
|--------|---|---|---|---|---|---|--|--|--|--|--|--|
| OE9LTV | X | X | X | X | X | X |  |  |  |  |  |  |
|--------|---|---|---|---|---|---|--|--|--|--|--|--|

## HYTERA-Umsetzer

Vernetzungs-Matrix - Welche Umsetzer sind auf welcher Sprechgruppe (TG) und auf welchem Zeitschlitz (TS) miteinander verbunden

| Repeater                                 | WW | EUR | D-A-CH | AUT | DEU | OE8 KTN | OE local | OE Ref. 4190 | OE       |
|------------------------------------------|----|-----|--------|-----|-----|---------|----------|--------------|----------|
| Zeitschlitz (TS)                         | 1  | 1   | 1      | 1   | 1   | 1       | 1        | 2            | 2        |
| Sprechgruppe (TG)                        | 1  | 2   | 20     | 232 | 262 | 8       | 9        | 9            | Ref. Nr. |
| HYT Wien 22<br>OE1XIK                    | X  | X   | X      | X   | X   |         |          | X            | x        |
| HYT Wienerberg<br>OE1XQU                 | X  | X   | X      | X   | X   |         |          | X            | x        |
| HYT Laaerberg <sup>1</sup><br>OE1XQU     | X  | X   | X      | X   | X   |         |          | X            | x        |
| HYT Hohe Wand<br>OE3XTR                  | X  | X   | X      | X   | X   |         |          | X            | x        |
| HYT Stradner Kogel<br>OE6XBF             | X  | X   | X      | X   | X   |         |          | X            | x        |
| HYT Stuhleck Test <sup>2</sup><br>OE6XCD | X  | X   | X      | X   | X   |         |          | X            | x        |
| HYT Dobratsch<br>OE8XFK                  | X  | X   | X      | X   |     | X       |          | X            | x        |
| HYT Saurachberg<br>OE8XIK                | X  | X   | X      | X   |     | X       |          | X            | x        |
| HYT Koralm<br>OE8XLK                     | X  | X   | X      | X   |     | X       |          | X            | x        |
| HYT Petzen <sup>1</sup><br>OE8XPK        | X  | X   | X      | X   |     | X       |          | X            | x        |

<sup>1</sup> = 2m-Umsetzer <sup>2</sup> = Umsetzer noch nicht am Standort

Sprachencodes nach [ISO 639-3](#)