

## Bootstrap - Bug #5121

### interfaces.php - Wireless Antenna Selection should default to "Default"

09/11/2015 10:20 AM - Jim Pingle

<b>Status:</b>	Resolved	<b>Start date:</b>	09/11/2015
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Jim Pingle	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.3	<b>Spent time:</b>	0.50 hour
<b>Description</b>			
The Transmit and Receive antenna options under "Antenna Settings" are defaulting to "Auto" on bootstrap rather than the "Default" option which was the default on 2.2.x.			

#### Associated revisions

##### Revision c71c434b - 09/11/2015 11:10 AM - Steve Beaver

Fixed #5121 Antennas now default to 'Default'

##### Revision 87c59979 - 09/18/2015 04:16 PM - Steve Beaver

Fixed #5121  
Obscure PHP issue with mixed variable types.

##### Revision 6dee9957 - 09/21/2015 08:04 AM - Steve Beaver

Fixed #5121  
Antenna section removed per JimT

##### Revision 725f987f - 09/21/2015 12:22 PM - Steve Beaver

fixed #5121

#### History

##### #1 - 09/11/2015 11:09 AM - Steve Beaver

- Status changed from Confirmed to Feedback
- Assignee changed from Steve Beaver to Jim Pingle

Antenna controls now default to "Default"

##### #2 - 09/11/2015 11:20 AM - Steve Beaver

- % Done changed from 0 to 100

Applied in changeset [pfsense:c71c434b63dfa2bb628cb7dce769d361d385a9b6](#).

##### #3 - 09/18/2015 10:31 AM - Jim Pingle

- Status changed from Feedback to Assigned
- Assignee changed from Jim Pingle to Steve Beaver

On a fully up-to-date system with a wireless card, it's still defaulting to Auto for me.

##### #4 - 09/18/2015 03:01 PM - Steve Beaver

- Status changed from Assigned to Feedback

- Assignee changed from Steve Beaver to Jim Pingle

If \$pconfig['txantenna'] is not set, the selector value is null, and the null array element is 'Default'.

Would you check your config file please and see what value is in there for rxantenna and txantenna? Blank, '0' or '1' ?

Thanks

Code:

```
if (isset($wl_sysctl["{$wl_sysctl_prefix}.txantenna"])) {
    $group->add(new Form_Select (
        'txantenna',
        null,
        (isset($pconfig['txantenna'])) ? $pconfig['txantenna']:'',
        ['' => 'Default', '0' => 'Auto', '1' => '#1', '2' => '#2']
    ))->setHelp('Transmit antenna');
```

#### #5 - 09/18/2015 03:09 PM - Jim Pingle

- Status changed from Feedback to Assigned

- Assignee changed from Jim Pingle to Steve Beaver

Before adding the interface it did not exist in config.xml at all and there was nothing in in the wireless tag.

Assigning the interface, it appears like so:

```
<opt2>
    <descr><![CDATA[OPT2]]></descr>
    <if>ath0</if>
    <wireless/>
</opt2>
```

And farther down in the config:

```
<wireless/>
```

Navigating to Interfaces > OPT2 it shows Auto for antennas.

Inspecting the source shows both options marked selected:

```
<select id="txantenna" class="form-control" name="txantenna">
    <option selected="" value="">Default</option>
    <option selected="" value="0">Auto</option>
    <option value="1">#1</option>
    <option value="2">#2</option>
</select>
```

**#6 - 09/18/2015 04:11 PM - Steve Beaver**

- Status changed from Assigned to Feedback
- Assignee changed from Steve Beaver to Jim Pingle

Thanks for your help in finding this!

It was an obscure issue in the Select.class.php framework file wherein " == '0' if one is a string and the other an int.

**#7 - 09/18/2015 04:30 PM - Steve Beaver**

Applied in changeset [pfsense:87c59979a0624f3ea0ee1ae900b06bcd7e50c98e](#).

**#8 - 09/18/2015 08:25 PM - Jim Pingle**

- Status changed from Feedback to Assigned
- Assignee changed from Jim Pingle to Steve Beaver

It defaults to "default" now, but when manually set to auto, it still marks default as selected. I know PHP is pretty quirky when it comes to use of empty() on "" vs 0, 0 even as a string all evaluate to true. Might be related.

**#9 - 09/18/2015 08:26 PM - Chris Buechler**

Jim T. said the antenna selection is of no use anyway, so should just remove it, then this can be closed out.

**#10 - 09/18/2015 08:28 PM - Jim Pingle**

That's probably a good move, though if the framework has a general issue with the scenario it may still come back to haunt us in other areas.

**#11 - 09/21/2015 08:01 AM - Steve Beaver**

- Status changed from Assigned to Feedback
- Assignee changed from Steve Beaver to Jim Pingle

Fixed and removed.

**#12 - 09/21/2015 08:10 AM - Steve Beaver**

Applied in changeset [pfsense:6dee9957d799f5d1254f80d8aa7149ccae1dfa72](#).

**#13 - 09/21/2015 11:54 AM - Jim Pingle**

- Status changed from Feedback to Assigned
- Assignee changed from Jim Pingle to Steve Beaver
- % Done changed from 100 to 0

The Antenna selection options are still showing up here for me when synced to master.

**#14 - 09/21/2015 12:19 PM - Steve Beaver**

- Status changed from Assigned to Feedback
- Assignee changed from Steve Beaver to Jim Pingle

Mia culpa

if(ANTENNAS) condition corrected

**#15 - 09/21/2015 12:30 PM - Steve Beaver**

- *% Done changed from 0 to 100*

Applied in changeset [pfsense:725f987f52d6d770d4d4ee522fa71eeb5790b13c](#).

**#16 - 09/21/2015 12:44 PM - Jim Pingle**

- *Status changed from Feedback to Resolved*

Gone now. Thanks!

**#17 - 04/01/2016 05:50 AM - Chris Buechler**

- *Affected Version changed from All to 2.3*