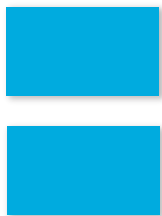


OPTIMIZING BIB TAG READS AND MAT LAYOUT GUIDELINES



Ideal Mat Setup for BIB Tags {Shoe tag operations not affected}

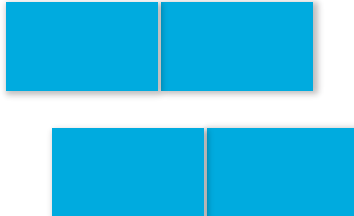
2.5m Singles,
2 Rows



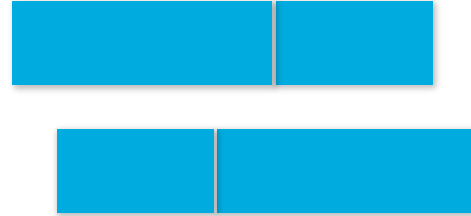
5m Singles, 2x2 Rows
Staggered



2.5m Singles,
2x2 Rows Staggered



5m + 2.5m Singles, 2x2
Rows Staggered



Mats must be spaced at least 700mm – 1m apart vertically and 600mm apart horizontally when staggered

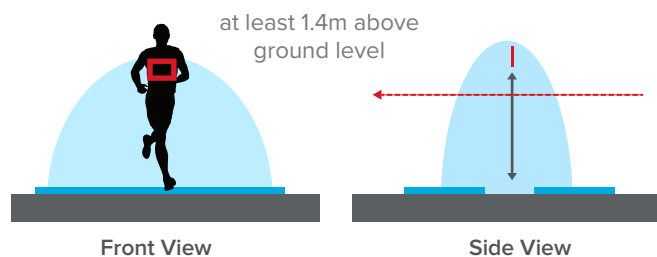


Direct runners over the full read area between the cones

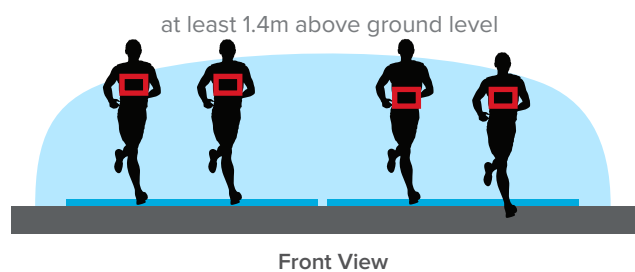


Mat Setup for Read Areas

BIB Tag moving over 2 single mats placed parallel to each other field:



BIB Tag moving over 2 rows of mats that are staggered:

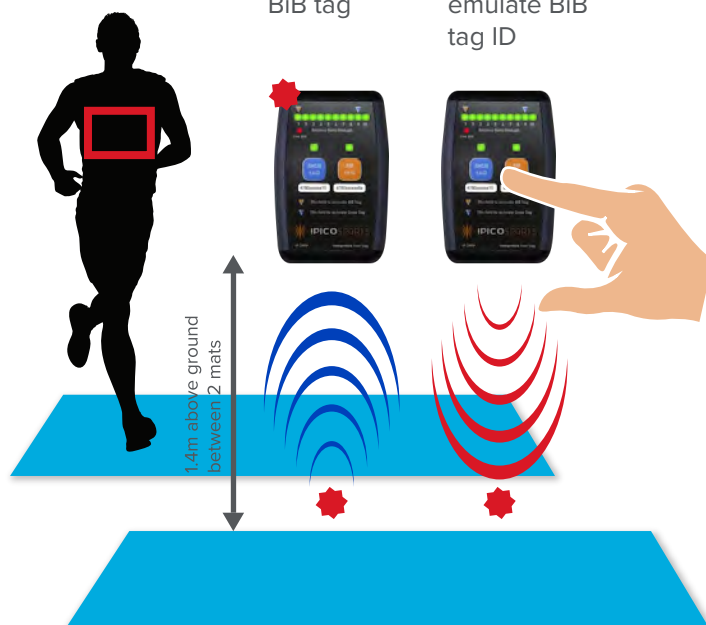


*blue globes depict good read areas

Testing BIB Tags with an Integrated Test Tag

1 LED = Min power to activate the BiB tag

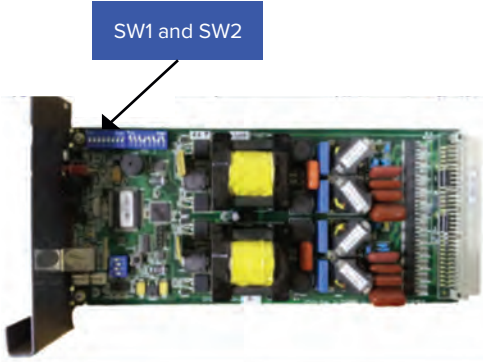
With 1 LED ON press BiB button to emulate BiB tag ID



*Move integrated Test Tag (ITT) forward and backward, side to side, within read area.

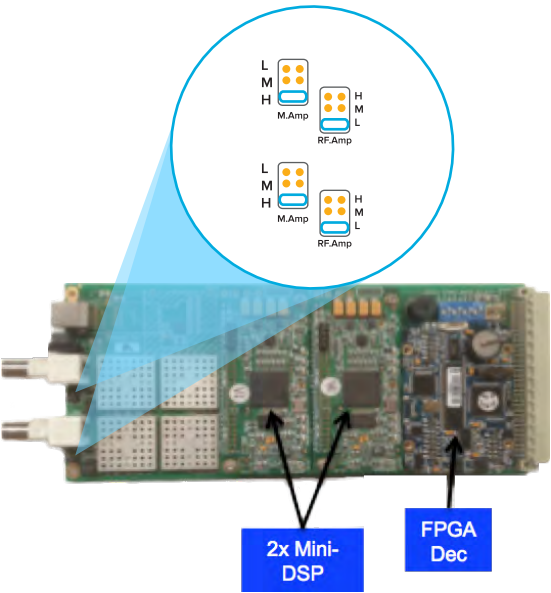
Optimizing RX and TX Cards

Part/Process /Doc	Description	Old Value								New Value							
IP2905E	DIP SW1 Settings	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
		0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	DIP SW2 Settings	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
		1	1	1	0	1	1	0	1	1	1	0	0	1	1	0	0



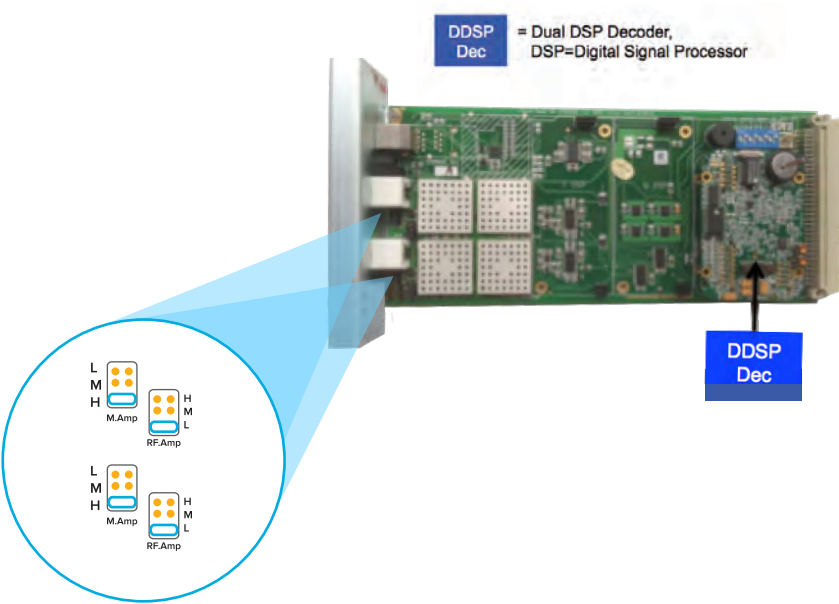
TX Board

1. Set SW1 and SW2 to new positions
2. All reader after Nov 2012 should be OK



2nd Generation RX Board

1. Elites - prior to Nov 2012
2. Lites - prior to AB000251
3. Mini-DSP should have V2 firmware on it or needs to be reprogrammed/upgraded
4. Set jumpers on both ch's
M.Amp = H, RF.Amp = L



3rd Generation RX board (current)

1. All new readers are fitted with DDSP Decoders
2. All new readers will have jumpers on both ch's set to
M.Amp = H, RF.Amp = L