

^RS – Set up RFID

Syntax	^RS Distance,Retry, NumOfReprintLabel,Reserved2,Reserved3
Effect & default	Permanent, default: Distance = None 、 Retry=3 、 NumOfReprintLabel = 3
When parameter invalid	Ignore. Will not process.
Parameter	Distance: length from tag edge to printer RFID antenna (unit: mm) Retry : number of times for encoding NumOfReprintLabel: number of tags to reprint while read/write error
Description	Set up relevant RFID parameters
Example	^RS29,5,3,-1,-1

^XGET,RFID – check RFID relevant parameters

Syntax	^XGET,RFID
When parameter invalid	Ignore. Will not process.
Parameter	None
Description	Check RFID relevant parameters
Example	<pre>^XGET,RFID RFID Information : Enable : 1 AntennaToTPH : 40 mm RWPositionOfLabel : 16 mm RetryTimer : 5 NumOfLabelsForRFIDFail : 3 SensorValidEdge : 5 mm</pre>

RF - read / write RFID Tag (during printing)

Syntax	RFAction,Type,StartBlock,Length,Bank,Data
When parameter invalid	Ignore. Will not process.
Parameter	<p>Action : W – write, R – read</p> <p>Type : A – ASCII, H – HEX</p> <p>StartBlock : the initial location</p> <p>*Note: when Bank is UID, it will always be 0.</p> <p>Length : data length (unit: Byte).</p> <p>*Note: 1. For ASCII data type: max. length for UID is 8, Block is 4, AFI is 1, DSFID is 1.</p> <p>2. For HEX data type: max. length for UID is 16, Block is 8, AFI is 2, DSFID is 2.</p> <p>Bank : 0 - UID, 1 - Block, 2 - AFI, 3 - DSFID</p> <p>*Note: UID is not editable.</p> <p>Data : data could include variables (^Vxx) or serial numbers (^Cx)</p> <p>*Note: read function only supports variables (^V00)</p>
Description	Read / write RFID Tag during printing
Example	<pre>// write fixed data ^L RFW,A,2,12,1,ABCDEF012345 E // write data which includes variables or serial numbers ^L C0,01,+1,Serial V00,2,Variable RFW,A,0,4,1,^V00^C0 AD,6,322,2,2,0,0E,^V00^C0 E //read UID ^L V00,16,Variable RFR,H,0,16,0,^V00 AD,406,322,2,2,0,0E,UID:^V00 E</pre>

RZ – Lock RFID Tag

Syntax	RZAction,Bank,Data
When parameter invalid	Ignore. Will not process.
Parameter	
Description	
Example	

~RF - read / write RFID Tag (while printer standby)

Syntax	~RFAction,Type,StartBlock,Length,Bank,Data
When parameter invalid	Ignore. Will not process.
Parameter	<p>Action : W – write, R – read</p> <p>Type : A – ASCII, H – HEX</p> <p>StartBlock : the initial location</p> <p style="padding-left: 40px;">*Note: when Bank is UID, it will always be 0.</p> <p>Length : data length (unit: Byte).</p> <p style="padding-left: 40px;">*Note: 1. For ASCII data type: max. length for UID is 8, Block is 4, AFI is 1, DSFID is 1.</p> <p style="padding-left: 40px;">2. For HEX data type: max. length for UID is 16, Block is 8, AFI is 2, DSFID is 2.</p> <p>Bank : 0 - UID, 1 - Block, 2 - AFI, 3 - DSFID</p> <p style="padding-left: 40px;">*Note: UID is not editable.</p> <p>Data : N/A</p> <p style="padding-left: 40px;">*Note: it is not required while read</p>
Description	Read / write RFID Tag while printer standby
Example	<p>Write: ~RFW,A,0,4,1,ABCD</p> <p>Read: ~RFR,H,0,16,0</p>

~RZ – Lock RFID Tag

Syntax	RZAction,Bank,Data
When parameter invalid	Ignore. Will not process.
Parameter	
Description	
Example	