

Custom BDA Questionnaire



Customer Information:

Name: _____ Email: _____

Company: _____ Phone: _____

Building Location: _____

To assist in identifying the correct amplification system, kindly fill out the following questionnaire:

1 What are you looking for?

Bi Directional Amplifier

Uni Directional Amplifier

Headend Amplifier Module
(BDA that feeds directly into a 3rd party fiber optic system)

2 Please select the operating environment of the system installation.

Indoor

Outdoor

3 Frequencies: (choose all that apply)

VHF

UHF

700 MHz

800 MHz

900 MHz

700/800 MHz

800/900 MHz

3b If 700 or 800 MHz, which bandwidths?

PS7

PS7W

PS8NEPS

NPSPAC

793-805 / 763-775

788-805 / 758-775

806-816 / 851-861

821-824 / 866-869

PS8

PS8NEPS/N

NPSPAC/N

806-824 / 851-869

806-816 / 851-861

806-809 / 851-854

Rejection @ 817 / 40 dB Rejection @ 862

4 If you know composite power/gain requirements:

(If Bi-Directional, please select 2 ALC settings and specify which is UL and which is DL)

700/800/900 MHz

ALC Setting:

Gain:

+5 dBm

+70 dB

+20 dBm

(Available for +5 and +20 dBm only)

+25 dBm

+80 dB

+27 dBm

+30 dBm

+33dBm

+37 dBm

UHF

ALC Setting:

Gain:

+5 dBm

+55 dB

+20 dBm

+70 dB

+31 dBm

+33 dBm

+36 dBm

VHF

ALC Setting:

Gain:

+5 dBm

+50 dB

+20 dBm

+60 dB

+30 dBm

+33 dBm

+70 dB

UL/DL _____

UL/DL _____

UL/DL _____

4b If not, would you like us to create a design?

Yes

No

5 If VHF/UHF Which Frequencies?

Uplink: _____ Ch1
From handheld to base

Downlink: _____ Ch1
From base to handheld

_____ Ch2
From handheld to base

_____ Ch2
From base to handheld

_____ Ch3
From handheld to base

_____ Ch3
From base to handheld

_____ Ch4
From handheld to base

_____ Ch4
From base to handheld

5b Is this for: LMR Public Safety

5c If Public Safety: NFPA IFC

6 Type of system enclosure required:

Wall Mount 19" Rack NEMA 4
(Indoor/Outdoor)

7 Which Port Configurations do you need?

Y1 Y2 Y3 Not Sure
(1 Input : 2 Output) (2 Input : 1 Output) (2 Input : 2 Output)

8 Will this unit be connected to a backup generator?

Yes No

8b If not, do you require a Battery Backup Unit?

Yes No

8c If you do need a BBU:

12 HR 24 HR

9 Do you need any additional features? (Choose all that apply)

(Descriptions on next page)

RED(NFPA)	O	RM7	DISP1
S1(NFPA)	ODSC	RM9	N
O26(NFPA)	DC28	STNB	R
D	LGHT	90	ACSP

10 Is there any other important information that we should know about the project or its location?

Master List of Features

O	Environmentally Sealed for Outdoor Applications
S1	External +28 VDC +12 VDC Back Up
ODSC	Oscillation Detect/Display and Shut Down of all Amplifiers (May be combined with RM7 or O26 Features for Local Alarming at time of Oscillation)
DC28	Powered by DC ONLY @ +28 VDC
LGHT	Lightning Protection on UL & DL Ports
RED	Red Enclosure
RM7	Local Alarming via 7 Pin Connector – Applicable for C and N Enclosures Only Amplifier Failure Alarm & ALC Alarm
RM9	Local Alarming via 9 Pin Connector – Applicable for B, M or R Enclosures Only Amplifier Failure Alarm & ALC Alarm
O26	Local Alarming via 26-Pin Dry Contact Connector with Donor Alarm, Amplifier Alarm, ALC Alarm & Battery Back-up Failure Alarm
D	Cannon Type AC Connector (no power protections included)
STNB	BDA Standby Mode – Only available in conjunction with RM7 or O26
90	90 dB Gain
ACSP	AC Surge Protection and DC Line Conditioning
R	19" Rack Enclosure
N	NEMA Enclosure (Indoor unless "O" option selected)
DISP1	Internal LCD Screen Providing Live Readout of Composite Output Power Available on "N" and "R" Enclosures only