technetix



DBT-1800 Series

Smart amplifers

technetix.com
+1 (866) 956-5608
support@technetix.com

11.2026

The future of HFC is here

The Technetix DBT-1800 smart amplifier series is the next-generation of HFC amplifiers for network upgrades to support multigigabit services. Backward-compatible with existing GainMaker and CCOR amplifiers, the series minimizes operator expense and end user disruption during the upgrade process.

DBT's optimized performance in DOCSIS 4.0 is a natural evolution of HFC networks worldwide. Built on the capabilities of Technetix DBx smart amplifiers, DBT provides the next step in amplifier intelligence, and unequaled HFC network evolution.

The path to DOCSIS 4.0

DBT-1800 DOCSIS 4.0 is the next-generation of the DOCSISstandard, capable of supporting speeds up to 10 Gbps. Following SCTE 279, DBT is engineered to exceed MSO expectations for next-level HFC network upgrades.

Versatile design

Supporting individual plug-in replacement, the DBT series' lifespan is extended for moves from DOCSIS 3.1 to 4.0 by simple, resource-light automated plug-in detection and calibration.

Auto-alignment and all-electronic level and slope control

Auto-alignment ensures correct downstream alignment to minimize impact to end user service. Selecting a predefined profile to configure compensation settings, such as Automatic Slope and Level Control (ASLC), supports a simplified setup process for reduced technician skill level requirements.

Software-based configuration

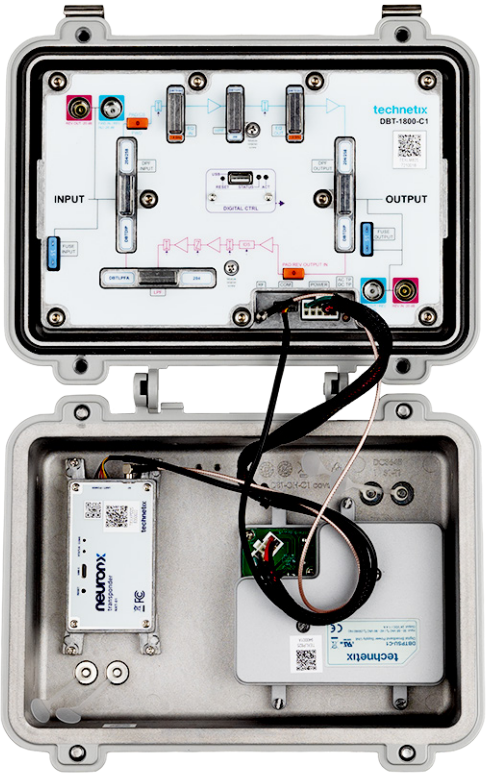
The DBT-1800 simplifies the configuration process, eliminating the need for plug-in pads and equalizers. In addition to streamlining configuration, operators are able to configure and monitor the DBT-1800 remotely, using the NXT Transponder, saving cost and time.

Technetix configuration tool

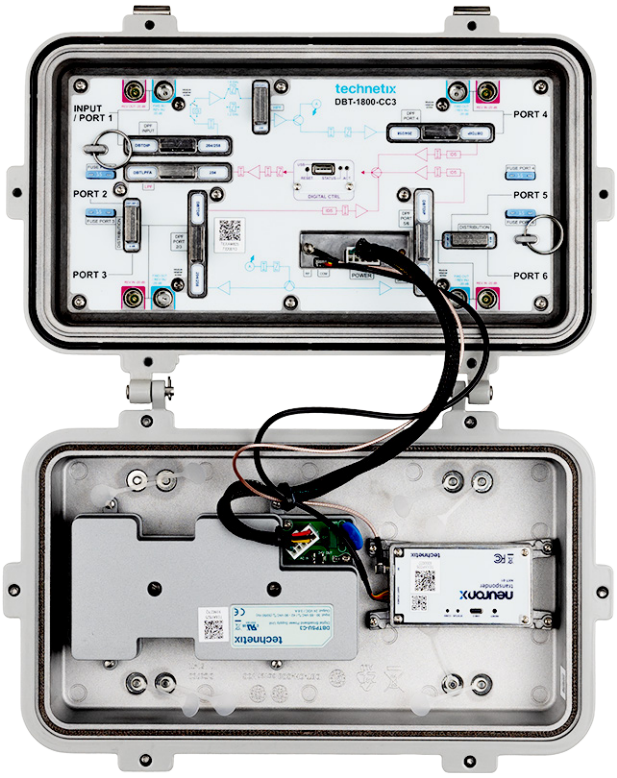
FAST is our field engineer app for Android and iOS, and runs on a common backend with the remote management application. Always up-to-date, our tool facilitates network evolution as required, providing operators with slick scalability.

Optimize today, evolve tomorrow

DBT-1800 series' smart design offers unparalleled performance working in 1.2 GHz, sustaining quality signal levels with minimum impact to operations. Crucially, the amplifier is pre-prepared for next generation 1.8 GHz network upgrade, enabling a low-impact evolution to DOCSIS 4.0.



DBT-1800-C1



DBT-1800-CC3

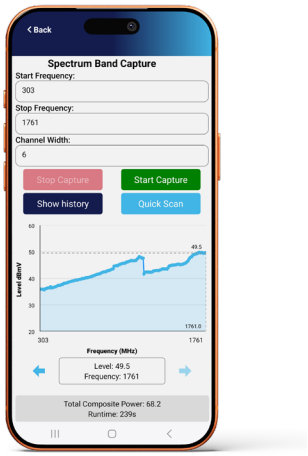
neuronx
AI empowered networks

NeuronX is Technetix' intelligent software platform, developed for remote, centralized network control. Supporting system-wide predictive amplifier management for highly targeted execution, operators can monitor, troubleshoot, balance, and upgrade networks entirely from the NOC.

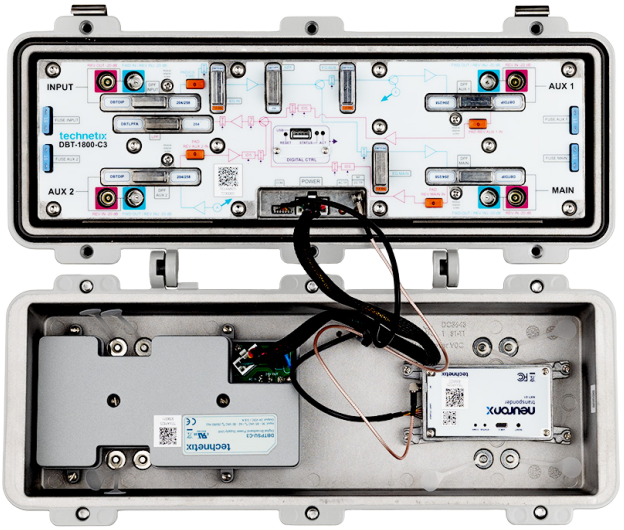
Developed specifically for HFC and coax network management, the NeuronX Axon platform provides unified remote management of Technetix amplifiers fitted with the NXT transponder across the outside plant. Operations teams gain a complete, live management interface to every device, eliminating time-consuming and costly site-by-site visits to read status, change settings, locate faults or push firmware. The result is improved operator OpEx from faster fault resolution, higher reliability and customer satisfaction, and futureproof investment

2026 DIAMOND TECHNOLOGY REVIEWS DTR

2023 DIAMOND TECHNOLOGY REVIEWS BTR BROADBAND TECHNOLOGY REPORT



FAST app



DBT-1800-C3



NEURONX

© Copyright 2026 Technetix Group Limited. All rights reserved.
This document is for information only. Features and specifications are subject to change without notice. Technetix, the Technetix logo and certain other marks and logos are trademarks or registered trademarks of Technetix Group Limited in the UK and certain other countries. Other brand and company names are trademarks of their respective owners. Technetix protects its technology and designs by registering patents, trademarks and designs in Europe and certain other countries.

Example:

DBT	18C1	M	102	A	0	0	A

TYPE

TYPE	
18C1	Cisco Line Extender
18C2	Cisco Bridger
18C3	Cisco Trunk
18C1V2	Cisco Line Extender V2
18C2V2	Cisco Bridger V2
18C3V2	Cisco Trunk V2
18CC1V2	CCOR Line Extender V2
18CC2V2	CCOR Bridger V2
18CC3V2	CCOR Trunk V2
18BLE	Moto Line Extender
18MB	Moto Bridger

HOUSING

HOUSING	
M	Module Only
F	Full Station
K	Upgrade Kit
MT	Module Only + Transponder
FT	Full Station + Transponder
KT	Upgrade Kit + Transponder

FULL STATION INCLUDES HARDWARE		
Type	Housing	PSU
18C1	DBT-OH-C1	DBTPSU-C1
18C2	DBT-OH-C3	DBTPSU-C3
18C3	DBT-OH-C3	DBTPSU-C3
18C1V2	DBT-OH-C1	DBTPSU-C1
18C2V2	DBT-OH-C3	DBTPSU-C3
18C3V2	DBT-OH-C3	DBTPSU-C3
18CC1V2	DBT-OH-CC1	DBTPSU-C1
18CC2V2	DBT-OH-CC3	DBTPSU-C3
18CC3V2	DBT-OH-CC3	DBTPSU-C3
18BLE	DBT-OH-BLE	DBTPSU-C1
18MB	DBT-OH-MB	DBTPSU-C3

UPGRADE KIT INCLUDES MODULE AND HARDWARE				
Type	PSU	Legacy housings upgrade parts		
18C1	DBTPSU-C1			
18C2	DBTPSU-C3			
18C3	DBTPSU-C3			
18C1V2	DBT-OH-C1			
18C2V2	DBT-OH-C3			
18C3V2	DBT-OH-C3			
18CC1V2	DBTPSU-C1	DBTCC1-LID	DBTSSCC1LS	DBTSSCC1RS
18CC2V2	DBTPSU-C3	DBTPSUAP-CC3	6x DBTSSKCC23FMT	
18CC3V2	DBTPSU-C3	DBTPSUAP-CC3	6x DBTSSKCC23FMT	
18BLE	DBTPSU-C1	DBTBLE-LID	2x DBTSSPU-BLE	
18MB	DBTPSU-C3		4x DBTSSPU-MB	

MT, FT AND KT INCLUDES TRANSPONDER	
18Cx and 18CCxV2 'FT'	Transponder incl. cables built in amplifier lid (CISCOv1 + CCORv2)
18Cx and 18CCxV2 'KT'	Transponder incl. cables and including legacy housing Adapter Plate (CISCOv1 + CCORv2)
18CxV2, 18BLE and 18MB	Transponder Plug In in module (CISCOv2 + MOTO)

FREQUENCY SPLIT

FREQUENCY SPLIT	LPF	HPF
102	DBTDIP85-102	DBTLPF8518A	DBTHPF10218
258	DBTDIP204-258	DBTLPF20418A	DBTHPF25818L
492	DBTDIP396-492	DBTLPF36918A	DBTHPF49218L
606	DBTDIP492-606	DBTLPF49218A	DBTHPF60618L
834	DBTDIP684-834	DBTLPF68418A	DBTHPF83418L

EQ HINGE POINT

EQ HINGE POINT	
A	DBTEQU-1.2
B	DBTEQU-1.8
C	Digital 1.2/1.8

DISTIBUTION 1

DISTIBUTION 1	
0	Not applicable
1	DBT18JMP-1
2	DBT18JMP-2
3	DBT18SPL
4	DBT18DC8-1
5	DBT18DC8-2
6	DBT18DC12-1
7	DBT18DC12-2

DISTIBUTION POSITION 1				
Plug in		CC2 and CC3	C2 and MB	Others
1	DBT18JMP-1	Activate port 5	Activate AUX 1	N/a
2	DBT18JMP-2	Activate port 6	Activate AUX 2	N/a
3	DBT18SPL	Splitter port 5-6	Split to AUX 1 & 2	N/a
4	DBT18DC8-1	8dB to port 5	8dB to AUX 1	N/a
5	DBT18DC8-2	8dB to port 6	8dB to AUX 2	N/a
6	DBT18DC12-1	12dB to port 5	12dB to AUX 1	N/a
7	DBT18DC12-2	12dB to port 6	12dB to AUX 2	N/a

DISTIBUTION 2

DISTIBUTION 2	
0	Not applicable
1	DBT18JMP-1
2	DBT18JMP-2
3	DBT18SPL
4	DBT18DC8-1
5	DBT18DC8-2
6	DBT18DC12-1
7	DBT18DC12-2

DISTIBUTION POSITION 2				
Plug In		CC2 and CC3	C2	Others
1	DBT18JMP-1	Activate port 2	N/a	N/a
2	DBT18JMP-2	Activate port 3	N/a	N/a
3	DBT18SPL	Split to port 2- 3	N/a	N/a
4	DBT18DC8-1	8dB to port 2	N/a	N/a
5	DBT18DC8-2	8dB to port 3	N/a	N/a
6	DBT18DC12-1	12dB to port 2	N/a	N/a
7	DBT18DC12-2	12dB to port 3	N/a	N/a

SOFTWARE CONFIG.

SOFTWARE CONFIG.	
0	No Config
A	Config A
B	Config B
C	Config C

ALL TYPES INCLUDE FROM FACTORY (if applicable)	
JXPs	0dB 1" (ORANGE) JXP
Fuses	15 A blade fuse
Unused ports (in case of Jumper)	5/8" end plug terminated